

严谨 创新 诚信 共赢

西安康福诺生物科技有限公司

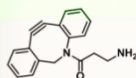
Xi'an Confluore Biological Technology Co., Ltd.

Bio-Chem Reagents

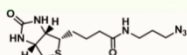
Chemistry

Biology

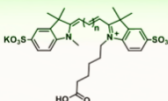
Material



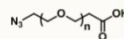
DBCO Labelling



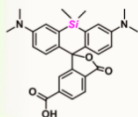
Biotin Labelling



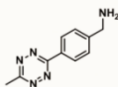
Dyes Labelling



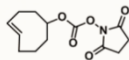
Functionalized PEG



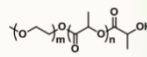
5-Rhodamine Labelling



Tetrazine Labelling



trans-Cyclooctene



Func. Macromolecules

康福诺科技 —— 科研的加速器

西安康福诺生物科技有限公司成立于 2018 年,是研发和销售科研用前沿化学试剂、生物试剂的高新技术企业。公司提供 **CONFLUORE** 品牌生物正交反应试剂、单分散聚乙二醇衍生物、荧光染料、蛋白交联剂、生物素衍生物、生化试剂盒、光反应催化剂、双功能螯合剂(DOTA/NOTA 衍生物)和 COF/MOF 配体及其它高端生化试剂。此外,基于完善的实验设备及检测仪器,为客户提供高端定制合成服务。公司凭借高质量的产品、良好的信誉及优质的服务与国内各大高校、研究所及生物医药公司建立了广泛的业务往来。客户的需求是点化发展的原动力,成就客户就是成就我们自己。西安点化生物科技有限公司秉承严谨、创新、诚信、共赢的价值观,致力于与化学科学、材料科学、生命科学等研究领域的客户建立长久的合作关系,为缔造中国高端试剂品牌不懈努力!

本资料仅是我公司部分主导产品的概略介绍,详情垂讯必复,欢迎致电或登录公司网站获取更多信息。

西安康福诺生物科技有限公司

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目录

生物正交化学	1
二苯并环辛炔 (DBCO).....	1
双环[6,1,0]壬炔 (BCN).....	2
1,2,4,5-四嗪 (S-Tetrazine).....	2
反式环辛烯 (TCO).....	3
环丙烯 (Cyclopropene).....	3
可裂解探针 (Cleavage Probes).....	4
炔(alkyne).....	5
叠氮 (azide).....	6
生物正交剪切反应.....	6
点击化学铜离子配体.....	7
单分散 PEG linkers	8
Amino-PEG-amine.....	8
Amino-PEG-NHBoc.....	8
Amino-PEG-COOH.....	9
Aminoxy-PEG.....	9
PEG-azide.....	10
Amino-PEG-COObu.....	10
PEG-Propargyl.....	11
COOH-PEG-COOH.....	12
Bis-PEG-NHS.....	12
DNP-PEG.....	13
NH ₂ -PEG-OH.....	13
OH-PEG-COOH.....	14
OH-PEG-COObu.....	14
mPEG-NH ₂	15
Bromo-PEG.....	15
Aldehyde-PEG.....	16
COOH-PEG-COObu.....	17

NHBoc-PEG-OH	17
BocNH-PEG-COOH.....	18
Amino-PEG-Azide	18
COOtBu-PEG-COOtBu.....	19
AcS-PEG.....	19
SPDP-PEG	19
Ald-Ph-PEG.....	20
Benzyl-PEG	20
HO-PEG-OH	20
FmocNH-PEG.....	21
Biotin-PEG.....	21
Pyrene-PEG	21
荧光素-PEG.....	22
m-PEG	22
Mal-PEG	23
HO-PEG-COOME.....	23
Acid-PEG-NHS ester.....	23
NHBoc PEG NHS	23
Pomalidomide-PEG	23
树枝状 PEG	24
PEG-NH-PEG.....	24
PEG-S-PEG.....	27
PEG-SO ₂ -PEG	28
Tri PEG-amine.....	28
荧光染料	29
Pyrene.....	29
BODIPY.....	29
荧光素.....	30
罗丹明.....	31
Reactive Cyanine Dyes	32
Clickable Cyanine Dyes.....	33
膜电位监测、细胞示踪等功能染料.....	34

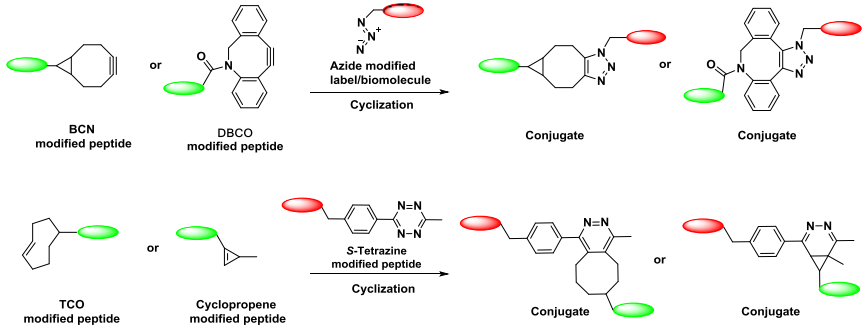
(Sulfo)ICG-dyes.....	35
光反应催化剂	36
吡啶盐.....	36
钌复合物.....	37
铱复合物.....	38
生物素标记	39
生物素-胺反应.....	39
生物素-羧基反应.....	40
生物素-羰基反应.....	40
生物素-可裂解.....	41
生物素-点击化学.....	41
生物素-脱硫生物素.....	42
生物素-巯基反应.....	42
生物素-荧光染料.....	43
生物素-醇.....	43
生物素-酚.....	43
蛋白交联剂	44
马来酰亚胺衍生物.....	44
Mal-PEG-Mal.....	45
巯基衍生物.....	45
双吡丙啶衍生物.....	45
双羧酸琥珀酰亚胺酯.....	46
生化小分子标记	47
氨基酸标记.....	47
糖标记.....	48
核酸标记.....	48
磷脂标记.....	49
功能性大分子聚合物	50
功能性聚合物.....	50
功能微球材料	51
聚合物微球材料.....	51

无机胶体粒子材料.....	52
其它热销生化试剂	53
其它热销生化试剂.....	53
COF/MOF 配体	54
COF/MOF 配体.....	54
双功能整合剂	55
DOTA/NOTA 衍生物.....	55
H3RESCA.....	56
Conjugates (共轭物).....	56
Fluorescent Probes (荧光探针).....	57
Macrocyclic Ligands (大环配体).....	57
Magnetic Resonance Reagents (磁共振试剂).....	58
Reactive Intermediates (活性中间体).....	59
定制合成	60
定制合成化合物.....	60
部分产品使用说明	61
一、点击化学.....	61
二、PEG-NHS 酯偶联说明.....	62
产品质量控制	64
NMR.....	65
HPLC.....	65

产品分类简介

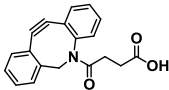
生物正交化学

DBCO、BCN、炔、叠氮、S-四嗪、TCO、环丙烯、生物正交剪切反应、点击化学铜离子配体等生物正交反应试剂。



二苯并环辛炔 (DBCO)

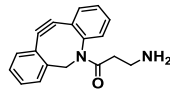
二苯并环辛炔 (DBCO) 用于无需铜离子催化的叠氮-炔环加成 (SPAAC) 反应。DBCO 系列产品包括可用于进一步连接的 DBCO-acid、DBCO-PEG-COOH、DBCO-PEG-amine、DBCO-amine 以及 DBCO 标记的生物素、荧光染料和生化小分子等。



DBCO-acid

Catalog No.: BCD-1

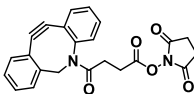
CAS: 1353016-70-2



DBCO-NH₂

Catalog No.: BCD-12

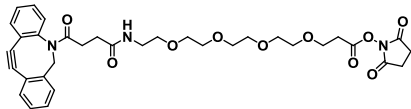
CAS: 1255942-06-3



DBCO-NHS

Catalog No.: BCD-6

CAS: 1353016-71-3



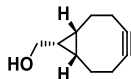
DBCO-PEG₄-NHS

Catalog No.: BCD-7

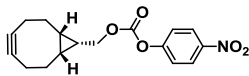
CAS: 1427004-19-0

双环[6,1,0]壬炔 (BCN)

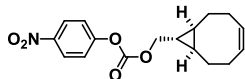
环丙烷环辛炔 (BCN, 双环[6.1.0]壬炔) 可通过无催化剂的点击化学与叠氮标记的分子或生物分子反应生成稳定的三氮唑连接。BCN 系列产品包括 endo-BCN-OH、endo-BCN-PNB、endo-BCN-PEG-acid 等。



endo-BCN-OH
Catalog No.: BCB-1
CAS: 1263166-90-0



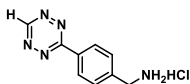
endo-BCN-PNB
Catalog No.: BCB-3
CAS: 1263166-91-1



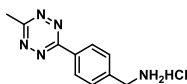
exo-BCN-O-PNB
Catalog No.: BCB-4
CAS: 1380006-72-3

1,2,4,5-四嗪 (S-Tetrazine)

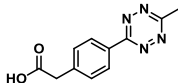
1,2,4,5-四嗪与大张力环烯烃如小尺寸的环丙烯及反式环辛烯 (TCO) 进行生物正交反应具有最快的反应速率且无需催化剂, 已经被成功的应用于抗体标记及蛋白修饰等多种应用。四嗪系列产品包括 Tetrazine amine、Me-Tetrazine amine、diPy-Tetrazine-amine、diPy-Tetrazine-COOH、Tz-PEG-COOH、Tz-PEG-NH₂ 以及 Tz 标记的有机功能小分子。



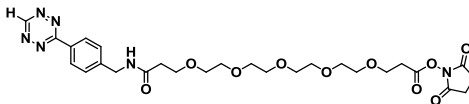
Tetrazine-NH₂HCl
Catalog No.: BCE-1
CAS: 1092689-33-2



Me-Tz-NH₂HCl
Catalog No.: BCE-2
CAS: 1345955-28-3



Me-tetrazine-Acid
Catalog No.: BCE-43
CAS: 1380500-88-8



Tz-PEG₅-NHS
Catalog No.: BCE-12
CAS: 1682653-80-0

反式环辛烯 (TCO)

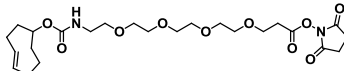
反式环辛烯 (TCO) 作为亲双烯体与 *s*-四嗪 (Tetrazine) 在生理条件下的反应有无需催化剂、反应速率快的优点, 被广泛应用于生物和材料科学的研究中。



(4E)-TCO-OH

Catalog No.: BCT-1

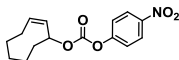
CAS: 85081-69-2



(4E)-TCO-PEG₄-NHS

Catalog No.: BCT-4

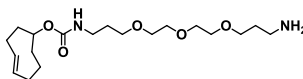
CAS: 1613439-69-2



(2E)-TCO-PNB

Catalog No.: BCT-12

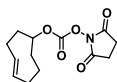
CAS: 1580501-97-8



(4E)-TCO-PEG₃-NH₂

Catalog No.: BCT-7

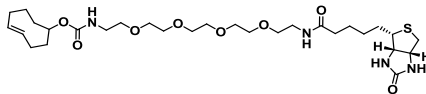
CAS: 2028288-77-7



(4E)-TCO-NHS ester

Catalog No.: BCT-2

CAS: 1191901-33-3



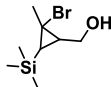
(4E)-TCO-PEG₄-biotin

Catalog No.: BCT-13

CAS: 2183440-30-2

环丙烯 (Cyclopropene)

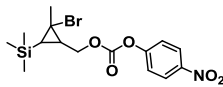
环丙烯作为亲双烯体与 *s*-四嗪反应具有较快的反应速率。由于环丙烯相比 TCO 具有更小的尺寸, 因而非常适于标记生化小分子而不影响小分子原有的功能。



2-Br-2-Me-3-TMS-Cyclopropanemethanol

Catalog No.: BCY-1

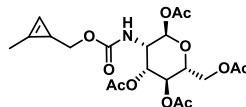
CAS: 1993417-50-7



2-Br-2-Me-3-TMS-Cyclopropane PNB

Catalog No.: BCY-2

CAS: N/A



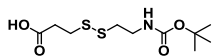
N-Cyclopropene-D-Manno-tetraacetated

Catalog No.: BCY-4

CAS: 1515861-59-2

可裂解探针 (Cleavage Probes)

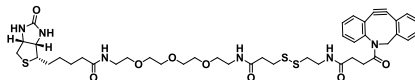
含有 SS 键、Dde、Diazo、PC 以及可通过光或紫外裂解官能团的试剂。



NHBoc-SS-CO₂H

Catalog No.: BCC-7

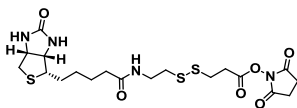
CAS: 485800-27-9



Biotin-PEG₃-SS-DBCO

Catalog No.: BCC-18

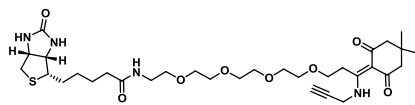
CAS: 1430408-09-5



Biotin-SS-NHS

Catalog No.: BCC-14

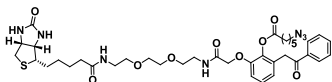
CAS: 122266-55-1



Dde Biotin-PEG₄-alkyne

Catalog No.: BCC-19

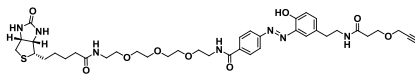
CAS: 1802908-00-4



UV Cleavable Biotin-PEG₂-N₃

Catalog No.: BCC-30

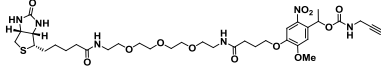
CAS: 1654739-36-2



Diazo Biotin-PEG₃-alkyne

Catalog No.: BCC-23

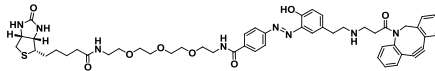
CAS: 1884349-58-9



PC Biotin-PEG₃-alkyne

Catalog No.: BCC-26

CAS: 1869922-24-6



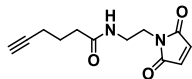
Diazo Biotin-PEG₃-DBCO

Catalog No.: BCC-25

CAS: N/A

炔(alkyne)

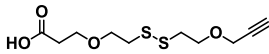
含端炔的化合物可通过铜催化的叠氮化物-炔点击化学反应与含叠氮的化合物或生物小分子反应,形成稳定的 1,2,3-三氮唑连接。



Alkyne maleimide

Catalog No.: BCP-2

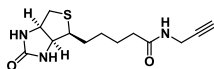
CAS: N/A



Alkyne-PEG₁-SS-PEG₁-acid

Catalog No.: BCP-9

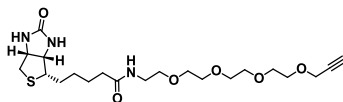
CAS: 1807503-85-0



Biotin alkyne

Catalog No.: BCP-15

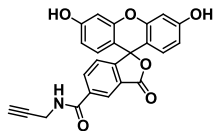
CAS: 773888-45-2



Biotin-PEG₄-alkyne

Catalog No.: BCP-14

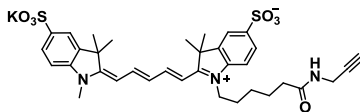
CAS: 1262681-31-1



5-FAM alkyne

Catalog No.: BCP-24

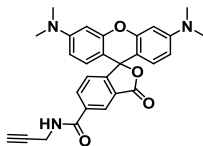
CAS: 510758-19-7



diSulfo-Cy 5 alkyne

Catalog No.: BCP-36

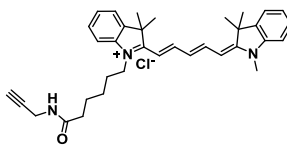
CAS: 1617497-19-4



5-TAMRA alkyne

Catalog No.: BCP-26

CAS: 945928-17-6



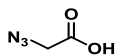
Cyanine 5 alkyne

Catalog No.: BCP-32

CAS: 1223357-57-0

叠氮 (azide)

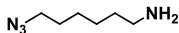
含叠氮的化合物可通过铜催化的叠氮化物-炔点击化学反应与含炔的化合物或生物小分子反应，形成稳定的 1,2,3-三氮唑连接。



Azide Acetic Acid

Catalog No.: BCA-1

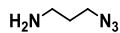
CAS: 18523-48-3



6-azidohexamine

Catalog No.: BCA-7

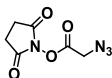
CAS: 349553-73-7



3-Azidepropamine

Catalog No.: BCA-6

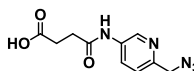
CAS: 88192-19-2



Azidoacetic Acid NHS

Catalog No.: BCA-4

CAS: 824426-32-6



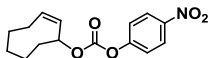
Picoly-azide-Acid

Catalog No.: BCA-10

CAS: 1581292-61-6

生物正交剪切反应

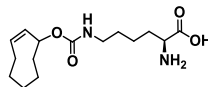
(2E)-TCO、1,3-乙炔基-2H-异吲哚，能与 5-四嗪发生生物正交剪切反应。



(2E)-TCO-PNB ester

Catalog No.: BJ-1

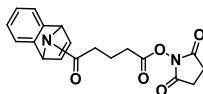
CAS: 1580501-97-8



N-(2E)-TCO-L-lysine

Catalog No.: BJ-2

CAS: 1580501-94-5



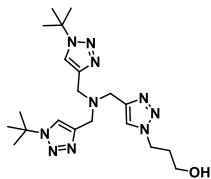
1,3-乙炔基-2H-异吲哚-2-戊酸琥珀酰亚胺酯,1,3-二氢-Δ-氧代

Catalog No.: BJ-3

CAS: 1644227-74-6

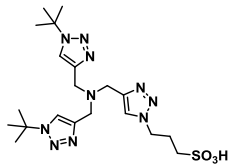
点击化学铜离子配体

BTES、TBTA、BTTP、BTAA、THPTA 等点击化学铜离子配体。



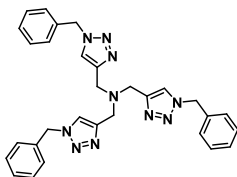
BTTP

Catalog No.: BDJ-1
CAS: 1341215-17-5



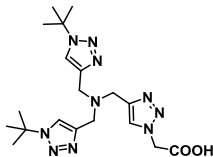
BTES

Catalog No.: BDJ-2
CAS: N/A



TBTA

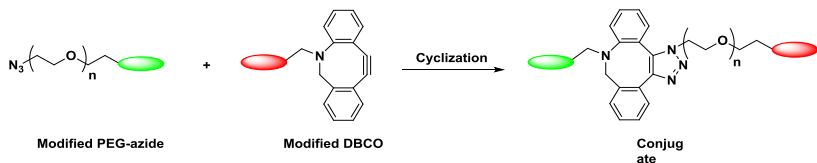
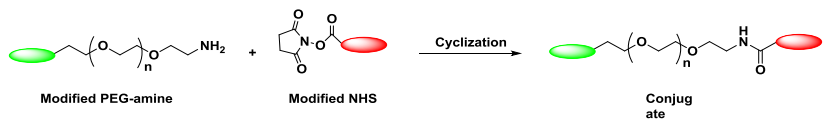
Catalog No.: BDJ-3
CAS: 510758-28-8



BTAA

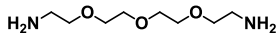
Catalog No.: BDJ-4
CAS: 1334179-85-9

单分散 PEG linkers



NH₂-PEG-NHBoc、NH₂-PEG-COOH、NH₂O-PEG-COOH 等聚乙二醇衍生物。

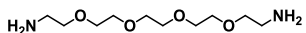
Amino-PEG-amine



NH₂-PEG₃-NH₂

Catalog No.: BNN-1

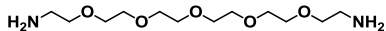
CAS: 929-75-9



NH₂-PEG₄-NH₂

Catalog No.: BNN-2

CAS: 68960-97-4

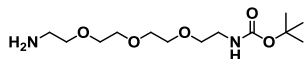


NH₂-PEG₅-NH₂

Catalog No.: BNN-3

CAS: 72236-26-1

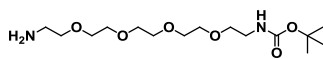
Amino-PEG-NHBoc



NHBoc-PEG₃-NH₂

Catalog No.: BNT-1

CAS: 101187-40-0

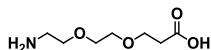


NHBoc-PEG₄-NH₂

Catalog No.: BNT-2

CAS: 811442-84-9

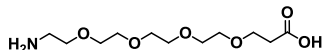
Amino-PEG-COOH



NH₂-PEG₂-COOH

Catalog No.: BNA-1

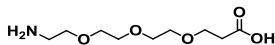
CAS: 791028-27-8



NH₂-PEG₄-COOH

Catalog No.: BNA-3

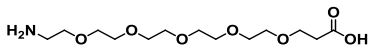
CAS: 663921-15-1



NH₂-PEG₃-COOH

Catalog No.: BNA-2

CAS: 784105-33-5

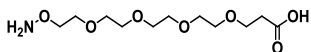


NH₂-PEG₅-COOH

Catalog No.: BNA-4

CAS: 1191078-74-6

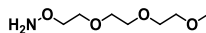
Aminoxy-PEG



NH₂O-PEG₄-acid

Catalog No.: BOX-2

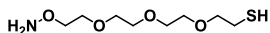
CAS: 1807537-38-7



NH₂O-mPEG₃

Catalog No.: BOX-6

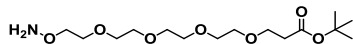
CAS: 248275-10-7



NH₂O-PEG₃-SH

Catalog No.: BOX-12

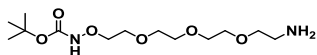
CAS: 1200365-63-4



NH₂O-PEG₄-CO₂tBu

Catalog No.: BOX-10

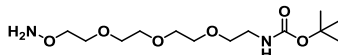
CAS: 2100306-82-7



BocNHO-PEG₃-NH₂

Catalog No.: BOX-16

CAS: 1235514-18-7

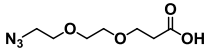


Aminoxy-PEG₃-NH-Boc

Catalog No.: BOX-13

CAS: 2062663-65-2

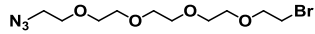
PEG-azide



N₃-PEG₂-Acid

Catalog No.: BPA-1

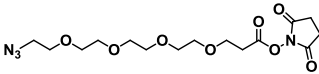
CAS: 1312309-63-9



Br-PEG₄-N₃

Catalog No.: BPA-46

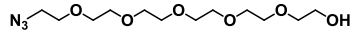
CAS: 1951439-37-4



N₃-PEG₄-NHS

Catalog No.: BPA-10

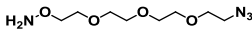
CAS: 944251-24-5



N₃-PEG₆-OH

Catalog No.: BPA-24

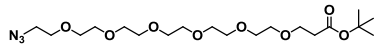
CAS: 86770-69-6



NH₂O-PEG₃-N₃

Catalog No.: BPA-43

CAS: 1306615-51-9

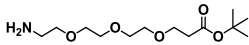


N₃-PEG₆-COO^tBu

Catalog No.: BPA-18

CAS: 406213-76-1

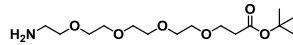
Amino-PEG-COOtBu



NH₂-PEG₃-COO^tBu

Catalog No.: BNE-2

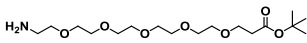
CAS: 252881-74-6



NH₂-PEG₄-COO^tBu

Catalog No.: BNE-3

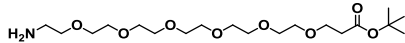
CAS: 581065-95-4



NH₂-PEG₅-COO^tBu

Catalog No.: BNE-4

CAS: 1446282-18-3

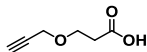


NH₂-PEG₆-COO^tBu

Catalog No.: BNE-5

CAS: 1286281-32-0

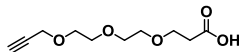
PEG-Propargyl



Alkyne-PEG₁-acid

Catalog No.: BPP-1

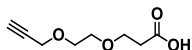
CAS: 55683-37-9



Alkyne-PEG₃-acid

Catalog No.: BPP-3

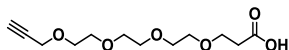
CAS: 1347760-82-0



Alkyne-PEG₂-acid

Catalog No.: BPP-2

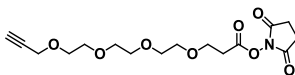
CAS: 1859379-85-3



Alkyne-PEG₄-acid

Catalog No.: BPP-4

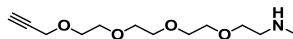
CAS: 1415800-32-6



Alkyne-PEG₄-NHS

Catalog No.: BPP-13

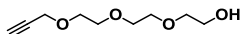
CAS: 1428629-70-2



Alkyne-PEG₄-NHCH₃

Catalog No.: BPP-48

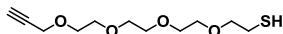
CAS: 1807530-11-5



Alkyne-PEG₄-OH

Catalog No.: BPP-20

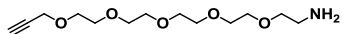
CAS: 208827-90-1



Alkyne-PEG₄-SH

Catalog No.: BPP-43

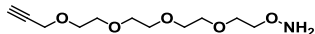
CAS: 1347750-80-4



Alkyne-PEG₅-NH₂

Catalog No.: BPP-32

CAS: 1589522-46-2

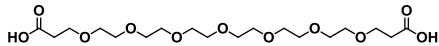


NH₂O-PEG₄-alkyne

Catalog No.: BPP-42

CAS: 1835759-78-8

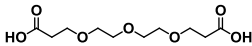
COOH-PEG-COOH



Bis-PEG₇-acid

Catalog No.: BAA-5

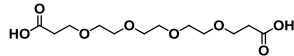
CAS: 94376-75-7



Bis-PEG₃-acid

Catalog No.: BAA-1

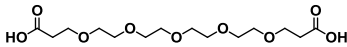
CAS: 96517-92-9



Bis-PEG₄-acid

Catalog No.: BAA-2

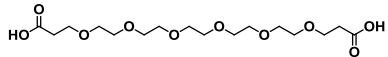
CAS: 31127-85-2



Bis-PEG₅-acid

Catalog No.: BAA-3

CAS: 439114-13-3

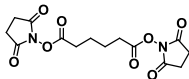


Bis-PEG₆-acid

Catalog No.: BAA-4

CAS: 119189-70-7

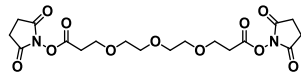
Bis-PEG-NHS



NHS-C₆-NHS

Catalog No.: BAA-6

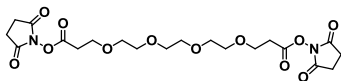
CAS: 59156-70-6



Bis-PEG₃-NHS

Catalog No.: BAA-7

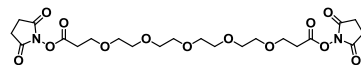
CAS: 1314378-16-9



Bis-PEG₄-NHS

Catalog No.: BAA-8

CAS: 1314378-11-4

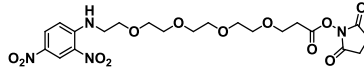


Bis-PEG₅-NHS

Catalog No.: BAA-9

CAS: 756526-03-1

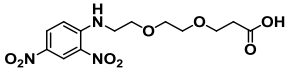
DNP-PEG



DNP-PEG₄-NHS

Catalog No.: BAA-14

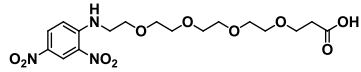
CAS: 858126-78-0



DNP-PEG₂-acid

Catalog No.: BAA-12

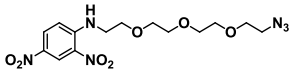
CAS: 1353011-89-8



DNP-PEG₄-acid

Catalog No.: BAA-13

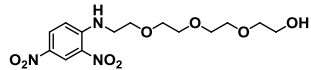
CAS: 858126-76-8



DNP-PEG₃-N₃

Catalog No.: BAA-15

CAS: 951671-87-7

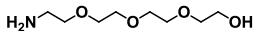


DNP-PEG₄-OH

Catalog No.: BAA-16

CAS: 1807520-99-5

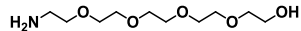
NH₂-PEG-OH



NH₂-PEG₄-OH

Catalog No.: BAA-17

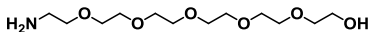
CAS: 86770-74-3



NH₂-PEG₅-OH

Catalog No.: BAA-18

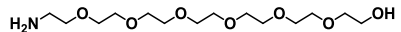
CAS: 34188-11-9



NH₂-PEG₆-OH

Catalog No.: BAA-19

CAS: 39160-70-8

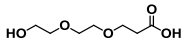


NH₂-PEG₇-OH

Catalog No.: BAA-20

CAS: 1425973-14-3

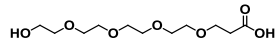
OH-PEG-COOH



HO-PEG₂-acid

Catalog No.: BAA-26

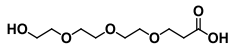
CAS: 1334286-77-9



HO-PEG₄-acid

Catalog No.: BAA-28

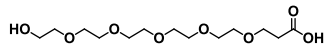
CAS: 937188-59-5



HO-PEG₃-acid

Catalog No.: BAA-27

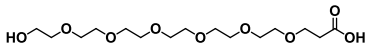
CAS: 518044-49-0



HO-PEG₅-acid

Catalog No.: BAA-29

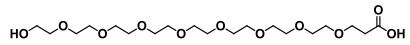
CAS: 2079768-50-4



HO-PEG₆-acid

Catalog No.: BAA-30

CAS: 1347750-85-9

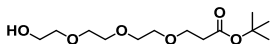


HO-PEG₈-acid

Catalog No.: BAA-31

CAS: 937188-60-8

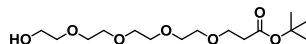
OH-PEG-CO₂tBu



HO-PEG₃-CO₂tBu

Catalog No.: BAA-33

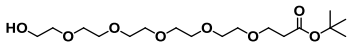
CAS: 186020-66-6



HO-PEG₄-CO₂tBu

Catalog No.: BAA-34

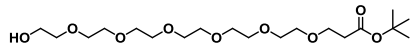
CAS: 518044-32-1



HO-PEG₅-CO₂tBu

Catalog No.: BAA-35

CAS: 850090-09-4

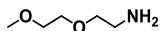


HO-PEG₆-CO₂tBu

Catalog No.: BAA-36

CAS: 361189-64-2

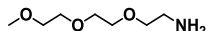
mPEG-NH₂



m-PEG₂-NH₂

Catalog No.: BAA-41

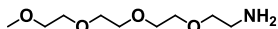
CAS: 31576-51-9



m-PEG₃-NH₂

Catalog No.: BAA-42

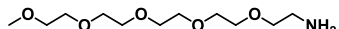
CAS: 74654-07-2



m-PEG₄-NH₂

Catalog No.: BAA-43

CAS: 85030-56-4

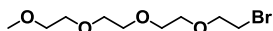


m-PEG₅-NH₂

Catalog No.: BAA-44

CAS: 5498-83-9

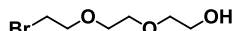
Bromo-PEG



m-PEG₄-Br

Catalog No.: BBP-16

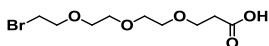
CAS: 110429-45-3



Br-PEG₃-OH

Catalog No.: BBP-12

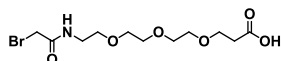
CAS: 57641-67-5



Br-PEG₃-acid

Catalog No.: BBP-2

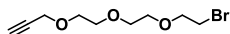
CAS: 782475-35-8



BrCH₂CONH-PEG₃-acid

Catalog No.: BBP-26

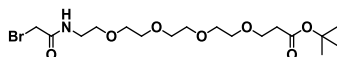
CAS: 1807534-79-7



Alkyne-PEG₃-Br

Catalog No.: BBP-22

CAS: 203740-63-0

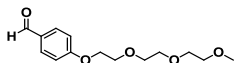


BrCH₂CONH-PEG₂-CO₂tBu

Catalog No.: BBP-29

CAS: 1807521-00-1

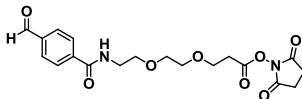
Aldehyde-PEG



m-PEG₄-Ph-CHO

Catalog No.: BAP-2

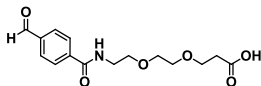
CAS: 153364-63-7



CHO-Ph-PEG₂-NHS

Catalog No.: BAP-6

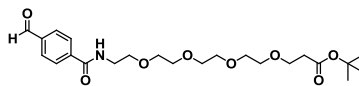
CAS: 1807521-07-8



CHO-Ph-PEG₂-acid

Catalog No.: BAP-3

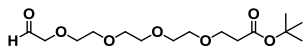
CAS: 1807534-84-4



CHO-Ph-PEG₄-CO₂tBu

Catalog No.: BAP-9

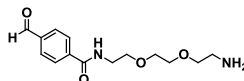
CAS: 1807518-64-4



CHO-PEG₄-CO₂tBu

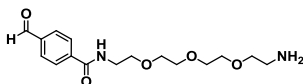
Catalog No.: BAP-11

CAS: 1415329-20-2



CHO-Ph-PEG₂-amine TFA

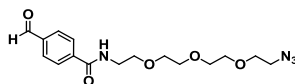
Catalog No.: BAP-13



CHO-Ph-PEG₃-amine TFA

Catalog No.: BAP-14

CAS: 1404111-56-3

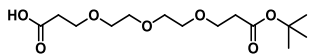


CHO-Ph-PEG₃-N₃

Catalog No.: BAP-17

CAS: 1807540-88-0

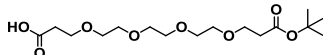
COOH-PEG-CO₂tBu



CO₂H-PEG₃-CO₂tBu

Catalog No.: BAE-1

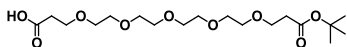
CAS: 1807539-06-5



CO₂H-PEG₄-CO₂tBu

Catalog No.: BAE-2

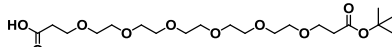
CAS: 1835759-85-7



CO₂H-PEG₅-CO₂tBu

Catalog No.: BAE-3

CAS: 1309460-29-4

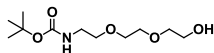


CO₂H-PEG₆-CO₂tBu

Catalog No.: BAE-4

CAS: 2093153-84-3

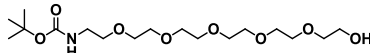
NHBoc-PEG-OH



NHBoc-PEG₃-OH

Catalog No.: BBH-1

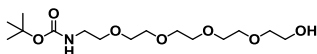
CAS: 139115-92-7



NHBoc-PEG₆-OH

Catalog No.: BBH-4

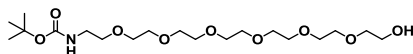
CAS: 331242-61-6



NHBoc-PEG₅-OH

Catalog No.: BBH-3

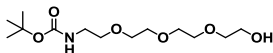
CAS: 1404111-67-6



NHBoc-PEG₇-OH

Catalog No.: BBH-5

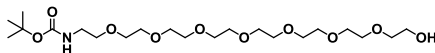
CAS: 1292268-13-3



NHBoc-PEG₄-OH

Catalog No.: BBH-2

CAS: 106984-09-2

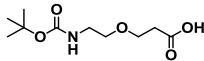


NHBoc-PEG₈-OH

Catalog No.: BBH-6

CAS: 1345337-22-5

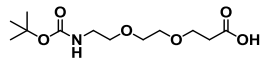
BocNH-PEG-COOH



NHBoc-PEG₁-acid

Catalog No.: BBNA-1

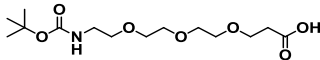
CAS: 1260092-44-1



NHBoc-PEG₂-acid

Catalog No.: BBNA-2

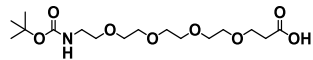
CAS: 1365655-91-9



NHBoc-PEG₃-acid

Catalog No.: BBNA-3

CAS: 1347750-75-7

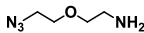


NHBoc-PEG₄-acid

Catalog No.: BBNA-4

CAS: 756525-91-4

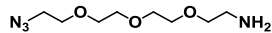
Amino-PEG-Azide



N₃-PEG₁-NH₂

Catalog No.: BAPA-1

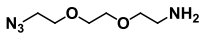
CAS: 464190-91-8



N₃-PEG₃-NH₂

Catalog No.: BAPA-3

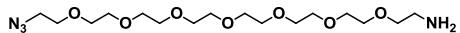
CAS: 134179-38-7



N₃-PEG₂-NH₂

Catalog No.: BAPA-2

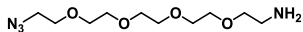
CAS: 166388-57-4



N₃-PEG₇-NH₂

Catalog No.: BAPA-7

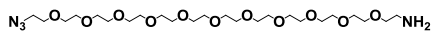
CAS: 1333154-77-0



N₃-PEG₄-NH₂

Catalog No.: BAPA-4

CAS: 951671-92-4

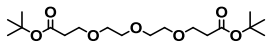


N₃-PEG₁₁-NH₂

Catalog No.: BAPA-11

CAS: 1800414-71-4

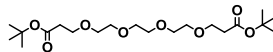
COOtBu-PEG-COOtBu



Bis-PEG3-t-butyl ester

Catalog No.: BBCA-2

CAS: 1611468-29-1

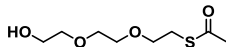


Bis-PEG4-t-butyl ester

Catalog No.: BBCA-3

CAS: 2100306-53-2

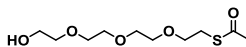
AcS-PEG



AcS-PEG3-OH

Catalog No.: BHT-1

CAS: 153870-20-3

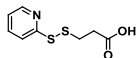


AcS-PEG4-OH

Catalog No.: BHT-2

CAS: 223611-42-5

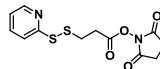
SPDP-PEG



SPDP-COOH

Catalog No.: BHD-1

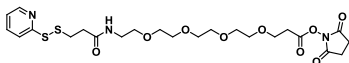
CAS: 68617-64-1



SPDP-NHS ester

Catalog No.: BHD-6

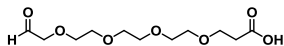
CAS: 68181-17-9



SPDP-PEG4-NHS ester

Catalog No.: BHD-7

CAS: 1334177-95-5

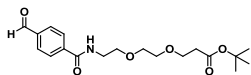


CHOCH2-PEG4-COOH

Catalog No.: BHD-11

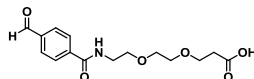
CAS: N/A

Ald-Ph-PEG



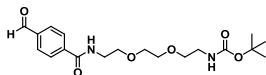
Ald-Ph-PEG2-COObu

Catalog No.: BHX-1
 CAS: 1807521-09-0



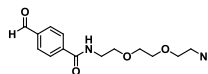
Ald-Ph-PEG2-COOH

Catalog No.: BHX-6
 CAS: 1807534-84-4



Ald-Ph-PEG2-NHBoc

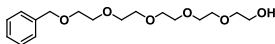
Catalog No.: BHD-11
 CAS: 1807503-90-7



Ald-Ph-PEG2-N3

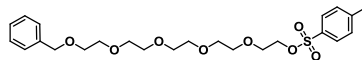
Catalog No.: BHD-15
 CAS: N/A

Benzyl-PEG



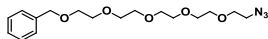
Benzyl-PEG6-alcohol

Catalog No.: BHB-5
 CAS: 57671-28-0



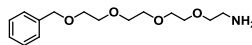
Benzyl-PEG5-Ots

Catalog No.: BHB-12
 CAS: 129086-10-8



Benzyl-PEG5-N3

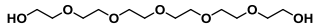
Catalog No.: BHB-20
 CAS: 86770-72-1



Benzyl-PEG4-NH2

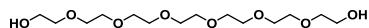
Catalog No.: BHB-22
 CAS: 86770-76-5

HO-PEG-OH



HO-PEG6-OH

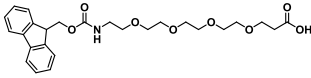
Catalog No.: BHO-4
 CAS: 2615-15-8



HO-PEG7-OH

Catalog No.: BHO-5
 CAS: 5617-32-3

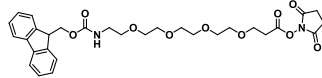
FmocNH-PEG



Fmoc-N-amido-PEG4-acid

Catalog No.: BHF-3

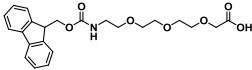
CAS: 557756-85-1



FmocNH-PEG4-NHS ester

Catalog No.: BHF-12

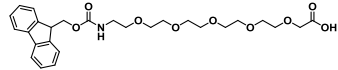
CAS: 1314378-14-7



Fmoc-N-amido-PEG4-acid

Catalog No.: BHF-20

CAS: 139338-72-0

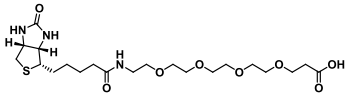


Fmoc-N-amido-PEG5-acid

Catalog No.: BHF-22

CAS: 635287-26-2

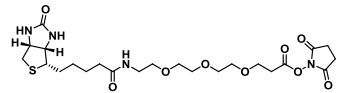
Biotin-PEG



Biotin-PEG4-COOH

Catalog No.: BHBB-3

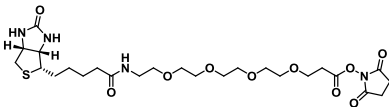
CAS: 721431-18-1



Biotin-PEG3-NHS ester

Catalog No.: BHBB-9

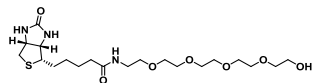
CAS: 1253286-56-4



Biotin-PEG4-NHS ester

Catalog No.: BHBB-10

CAS: 459426-22-3

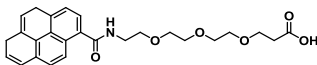


Biotin-PEG5-OH

Catalog No.: BHBB-17

CAS: 1778736-31-4

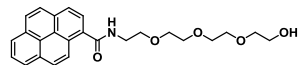
Pyrene-PEG



Pyrene-PEG3-COOH

Catalog No.: BHC-2

CAS: N/A

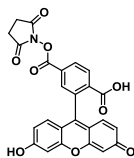


Pyrene-PEG4-OH

Catalog No.: BHC-7

CAS: N/A

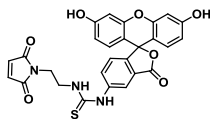
荧光素-PEG



Fluorescein-NHS ester

Catalog No.: BHY-1

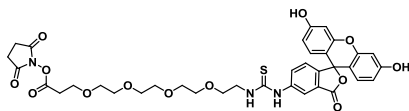
CAS: 890090-41-2



Fluorescein-Maleimide

Catalog No.: BHY-6

CAS: 2228857-33-6

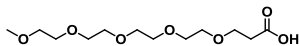


Fluorescein-PEG4-NHS ester

Catalog No.: BHY-2

CAS: N/A

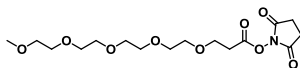
m-PEG



m-PEG5-COOH

Catalog No.: BHM-3

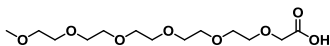
CAS: 81836-43-3



m-PEG5-NHS ester

Catalog No.: BHM-14

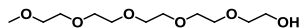
CAS: 874208-94-3



m-PEG6-CH2COOH

Catalog No.: BHM-25

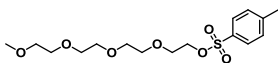
CAS: 16142-03-3



m-PEG5-alcohol

Catalog No.: BHM-30

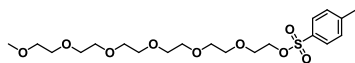
CAS: 23778-52-1



m-PEG5-OTs

Catalog No.: BHM-39

CAS: 62921-76-0

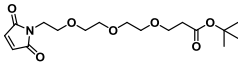


m-PEG7-OTs

Catalog No.: BHM-41

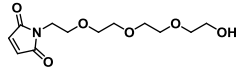
CAS: 155887-96-0

Mal-PEG



Mal-PEG3-COObu

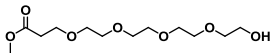
Catalog No.: BHL-2
 CAS: 518044-35-4



Mal-PEG4-OH

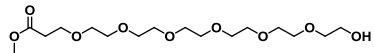
Catalog No.: BHL-11
 CAS: 1421933-37-0

HO-PEG-COOMe



HO-PEG4-COOMe

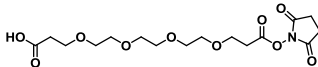
Catalog No.: BMH-4
 CAS: 2228857-35-8



HO-PEG6-COOMe

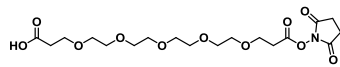
Catalog No.: BMH-6
 CAS: N/A

Acid-PEG-NHS ester



Acid-PEG4-NHS ester

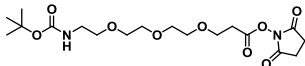
Catalog No.: BAPN-3
 CAS: N/A



Acid-PEG5-NHS ester

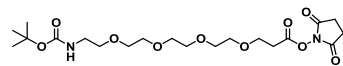
Catalog No.: BAPN-4
 CAS: 1343476-41-4

NHBoc PEG NHS



t-Boc-N-amido-PEG3-NHS ester

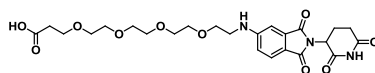
Catalog No.: BNB-3
 CAS: 2250216-93-2



t-Boc-N-amido-PEG4-NHS ester

Catalog No.: BNB-4
 CAS: 859230-20-9

Pomalidomide-PEG



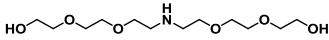
Pomalidomide-PEG4-COOH

Catalog No.: PPC-1
 CAS: 2138440-81-8

树枝状 PEG

PEG-NH-PEG、PEG-Boc-PEG、PEG-Mal-PEG、PEG-N-Me-PEG、PEG-Fluorescein-PEG、PEG-Biotin-PEG、PEG-S-PEG、PEG-SO₂-PEG、tri PEG-amine 等树枝状单分散 PEG。

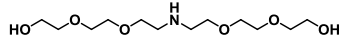
PEG-NH-PEG



NH-bis(PEG2-OH)

Catalog No.: BPN-2

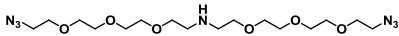
CAS: 25743-12-8



NH-bis(PEG3-acid) HCl salt

Catalog No.: BPN-6

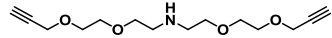
CAS: 1814901-04-6



NH-bis(PEG3-azide)

Catalog No.: BPN-9

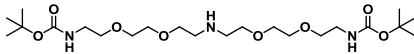
CAS: 1258939-39-7



NH-bis(PEG2-propargyl)

Catalog No.: BPN-11

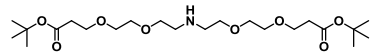
CAS: 2100306-83-8



NH-bis(PEG2-Boc)

Catalog No.: BPN-12

CAS: 2182601-69-8

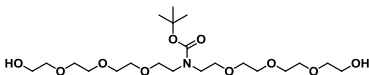


NH-bis(PEG2-t-butyl ester)

Catalog No.: BPN-17

CAS: 1964503-36-3

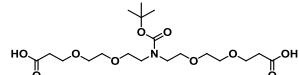
PEG-Boc-PEG



N-Boc-N-bis(PEG3-OH)

Catalog No.: BPBP-2

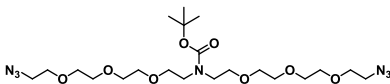
CAS: 2093154-01-7



N-Boc-N-bis(PEG2-acid)

Catalog No.: BPBP-4

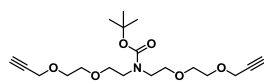
CAS: 2054339-01-2



N-Boc-N-bis(PEG3-azide)

Catalog No.: BPBP-8

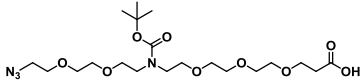
CAS: 1258939-38-6



N-Boc-N-bis(PEG2-propargyl)

Catalog No.: BPBP-10

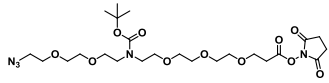
CAS: 2100306-86-1



N-(Azido-PEG2)-N-Boc-PEG3-acid

Catalog No.: BPBP-13

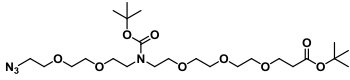
CAS: 2086689-01-0



N-(Azido-PEG2)-N-Boc-PEG3-NHS ester

Catalog No.: BPBP-17

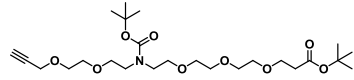
CAS: 2093153-85-4



N-(Azido-PEG2)-N-Boc-PEG3-t-butyl ester

Catalog No.: BPBP-21

CAS: 2093153-07-0

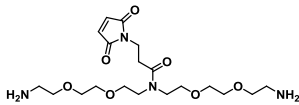


N-(Propargyl-PEG2)-N-Boc-PEG3-t-butyl ester

Catalog No.: BPBP-29

CAS: 2093152-78-2

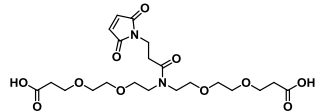
PEG-Mal-PEG



N-Mal-N-bis(PEG2-amine) TFA salt

Catalog No.: BPBM-1

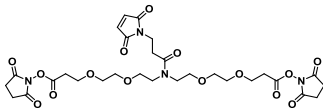
CAS: 2128735-20-4



N-Mal-N-bis(PEG2-acid)

Catalog No.: BPBM-2

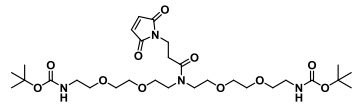
CAS: 2110449-02-8



N-Mal-N-bis(PEG2-NHS ester)

Catalog No.: BPBM-4

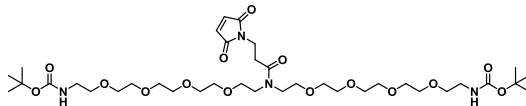
CAS: 2182601-73-4



N-Mal-N-bis(PEG2-NH-Boc)

Catalog No.: BPBM-7

CAS: 2128735-26-0

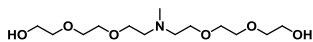


N-Mal-N-bis(PEG4-NH-Boc)

Catalog No.: BPBM-8

CAS: 2128735-27-1

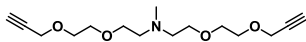
PEG-N-Me-PEG



N-Me-N-bis(PEG2-OH)

Catalog No.: BNMP-1

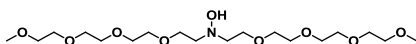
CAS: 342818-95-5



N-Me-N-bis(PEG2-propargyl)

Catalog No.: BPBM-4

CAS: 1835759-84-6

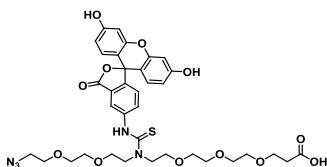


Bis(m-PEG4)-N-OH

Catalog No.: BPBM-6

CAS: 2182601-79-0

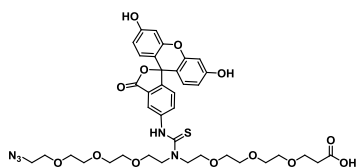
PEG-Fluorescein-PEG



N-(Azido-PEG2)-N-Fluorescein-PEG3-acid

Catalog No.: BFP-1

CAS: 2086689-04-3

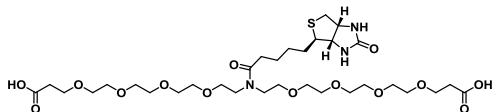


N-(Azido-PEG3)-N-Fluorescein-PEG3-acid

Catalog No.: BFP-3

CAS: 2100306-50-9

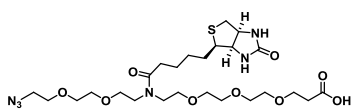
PEG-Biotin-PEG



N-Biotin-N-bis(PEG4-acid)

Catalog No.: BPB-1

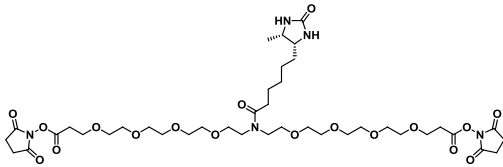
CAS: 1964503-35-2



N-(Azido-PEG2)-N-Biotin-PEG3-acid

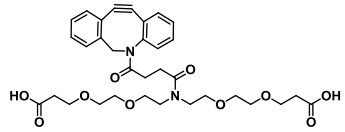
Catalog No.: BPB-3

CAS: 2112731-59-4



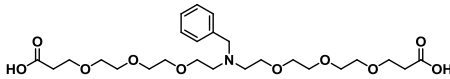
N-Desthiobiotin-N-bis(PEG4-NHS ester)

Catalog No.: BPB-6
CAS: 2353409-61-5



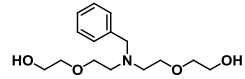
N-DBCO-N-bis(PEG2-acid)

Catalog No.: BPB-8
CAS: 2110449-00-6



N-Benzyl-N-bis(PEG3-acid)

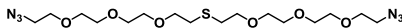
Catalog No.: BPB-12
CAS: 2093154-03-9



N-Benzyl-N-bis(PEG1-OH)

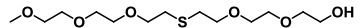
Catalog No.: BPB-10
CAS: 119580-47-1

PEG-S-PEG



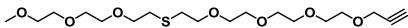
Azido-PEG3-S-PEG3-azide

Catalog No.: BSP-2
CAS: 2055023-77-1



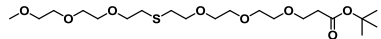
m-PEG3-S-PEG2-OH

Catalog No.: BSP-5
CAS: 2173095-09-3



m-PEG3-S-PEG4-propargyl

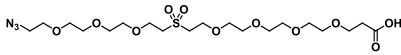
Catalog No.: BSP-6
CAS: 2055040-85-0



m-PEG3-S-PEG3-t-butyl ester

Catalog No.: BSP-8
CAS: 2055040-96-3

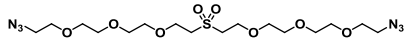
PEG-SO₂-PEG



Azido-PEG3-Sulfone-PEG4-acid

Catalog No.: BPSP-2

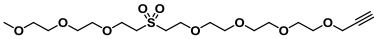
CAS: 2055024-42-3



Azide-PEG3-Sulfone-PEG3-azide

Catalog No.: BPSP-3

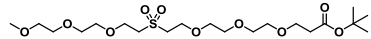
CAS: 2055024-45-6



m-PEG3-Sulfone-PEG4-propargyl

Catalog No.: BPSP-8

CAS: 2055041-02-4

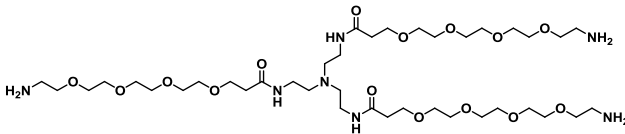


m-PEG3-Sulfone-PEG3-t-butyl ester

Catalog No.: BPSP-9

CAS: 2055041-00-2

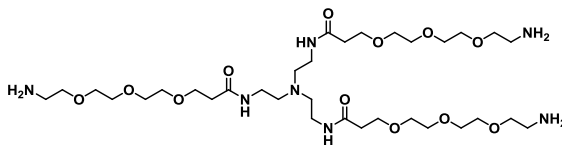
Tri PEG-amine



Tri(Amino-PEG4-amide)-amine

Catalog No.: BTP-1

CAS: N/A



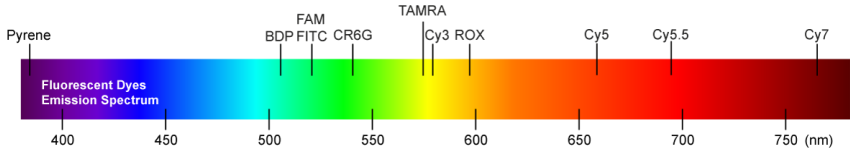
Tri(Amino-PEG3-amide)-amine

Catalog No.: BTP-2

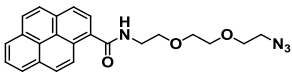
CAS: N/A

荧光染料

芘、花、BODIPY、荧光素、罗丹明和花菁系列染料及衍生物，染料含有种类繁多的官能团和不同长度的聚乙二醇链，以增加其水溶性。以便在成像和诊断研发中实现高效的生物标记。



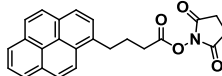
Pyrene



1-Pyrenecarboxylic acid-PEG₂-N₃

Catalog No.: BPY-2

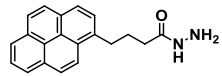
CAS: 2135330-58-2



Pyrenebutyric acid NHS

Catalog No.: BPY-1

CAS: 114932-60-4



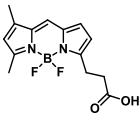
Pyrene hydrazide

Catalog No.: BPY-4

CAS: 55486-13-0

BODIPY

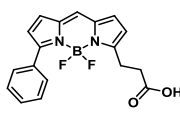
BODIPY 类荧光染料，具有荧光量子效率高、光稳定好、高摩尔消光系数、对 pH 不敏感的优点。与叠氮、炔、DBCO、S-四嗪等生物正交反应官能团相连得到荧光探针。



BDP FL acid

Catalog No.: BDB-1

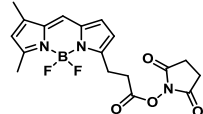
CAS: 165599-63-3



BDP R6G acid

Catalog No.: BDB-3

CAS: 174881-57-3



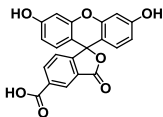
BDP FL NHS

Catalog No.: BDB-4

CAS: 146616-66-2

荧光素

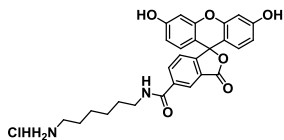
FAM 5-isomer , FITC 5-isomer 及用于生物正化学的衍生物。



5-Carboxyfluorescein

Catalog No.: BF-1

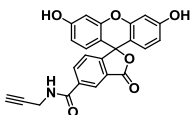
CAS: 76823-03-5



5-FAM amine HCl

Catalog No.: BF-5

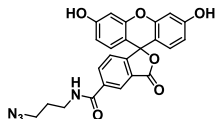
CAS: 2183440-41-5



5-FAM alkyne

Catalog No.: BF-4

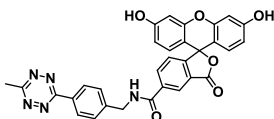
CAS: 510758-19-7



5-FAM azide

Catalog No.: BF-6

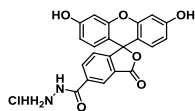
CAS: 510758-23-3



5-FAM Me-tetrazine

Catalog No.: BF-7

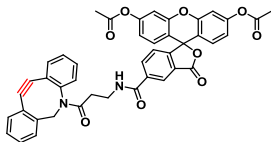
CAS: N/A



5-FAM hydrazide HCl

Catalog No.: BF-8

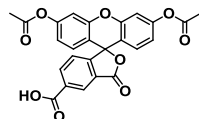
CAS: 2183440-64-2



5-diacetate FAM DBCO

Catalog No.: BF-10

CAS: N/A



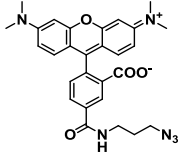
5-Carboxyfluorescein diacetate

Catalog No.: BF-23

CAS: 79955-27-4

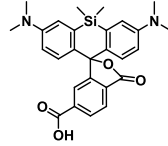
罗丹明

5-羧基-TAMRA (四甲基罗丹明)、5-羧基-ROX 及用于生物正交标记的衍生物。



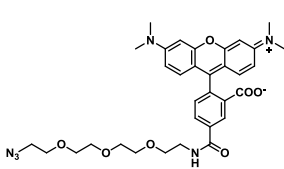
5-TAMRA-N₃

Catalog No.: BDR-2
CAS: 825651-66-9



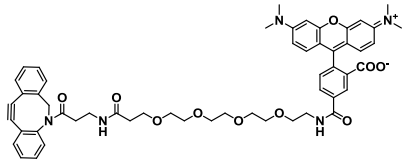
5-TAMRA-6-COOH

Catalog No.: BDR-14
CAS: 1426090-03-0



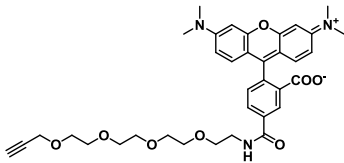
5-TAMRA-PEG₃-N₃

Catalog No.: BDR-7
CAS: 1228100-59-1



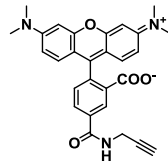
5-TAMRA-PEG₄-DBCO

Catalog No.: BDR-5
CAS: 1895849-41-8



5-TAMRA-PEG₄-Alkyne

Catalog No.: BDR-8
CAS: 1225057-68-0

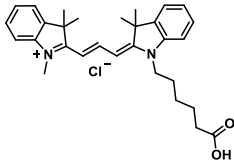


5-TAMRA alkyne

Catalog No.: BDR-3
CAS: 945928-17-6

Reactive Cyanine Dyes

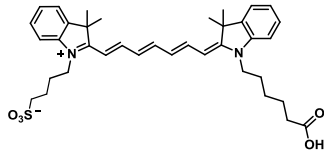
含可用于进一步反应的羧基、琥珀酰亚胺酯基、胺基和异硫氰酸酯基的花菁染料。



Cyanine 3 acid

Catalog No.: BRC-1

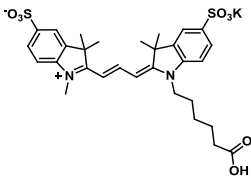
CAS: 1144107-76-5



ICG-acid (mono-sulfo-cy 7.5 COOH)

Catalog No.: BRC-8

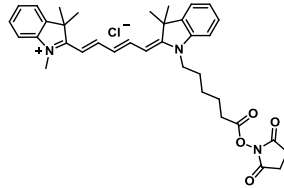
CAS: 181934-09-8



diSulfo-Cyanine 3 acid

Catalog No.: BRC-9

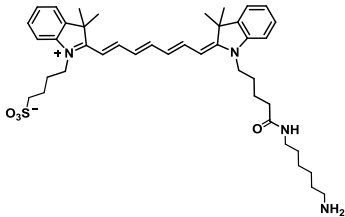
CAS: 1121756-11-3



Cyanine 5 NHS

Catalog No.: BRC-17

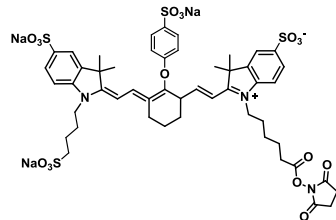
CAS: 1032678-42-4



ICG-NH₂

Catalog No.: BRC-31

CAS: 1686147-55-6



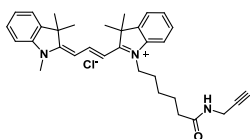
IRDye 800 NHS

Catalog No.: BRC-39

CAS: 956579-01-4

Clickable Cyanine Dyes

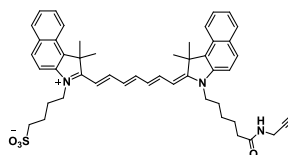
含有叠氮、炔、DBCO、5-四嗪等能进行点击化学反应官能团的花菁染料。



Cyanine 3 alkyne

Catalog No.: BDC-1

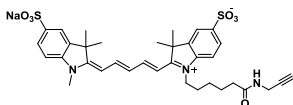
CAS: 1902918-31-3



ICG-alkyne

Catalog No.: BDC-5

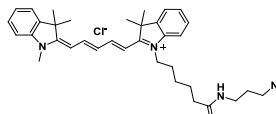
CAS: 1622335-41-4



diSulfo-Cy 5 alkyne

Catalog No.: BDC-7

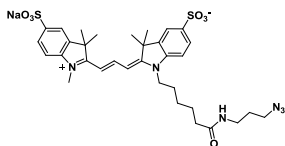
CAS: 1617497-19-4



Cyanine 5 azide

Catalog No.: BDC-11

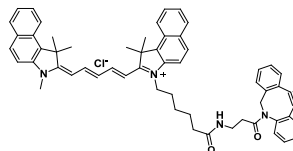
CAS: 1267539-32-1



diSulfo-Cy 3 azide

Catalog No.: BDC-15

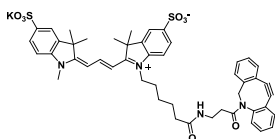
CAS: 2055138-89-9



DBCO-Cyanine 5.5

Catalog No.: BCD-33

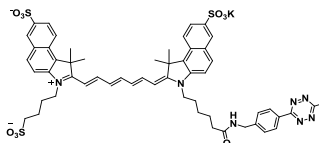
CAS: N/A



diSulfo-Cy 3 DBCO

Catalog No.: BDC-24

CAS: N/A



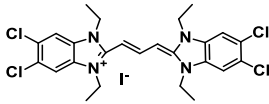
diSulfo-ICG Me-Tz

Catalog No.: BDC-51

CAS: N/A

膜电位监测、细胞示踪等功能染料

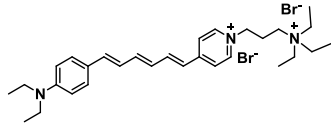
JC-1、Di-8-ANEPPS、NeurotransRed、TMA-DPH、O-(4-硝基苯基磷酰基)胆碱、Dio、DiI、花青、部花青等用于监测膜电位和细胞示踪的染料。



JC-1 (线粒体膜电位探针)

Catalog No.: BFC-1

CAS: 3520-43-2

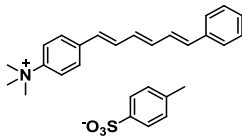


NeurotransRed

(监测神经肌肉连接处突触活性)

Catalog No.: BFC-3

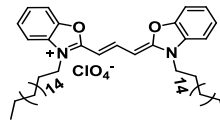
CAS: 162112-35-8



TMA-DPH (疏水膜荧光探针)

Catalog No.: BFC-4

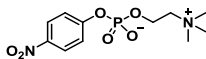
CAS: 115534-33-3



DiO (绿色细胞膜荧光探针)

Catalog No.: BFC-6

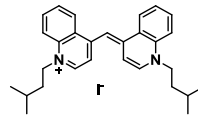
CAS: 34215-57-1



O-(4-硝基苯基磷酰)胆碱 (用于磷脂酶 C 的测定)

Catalog No.: BFC-5

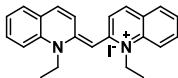
CAS: 21064-69-7



花青

Catalog No.: BFC-8

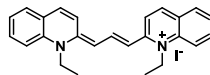
CAS: 523-42-2



1,1'-二乙基-2,2'-碘化靛

Catalog No.: BFC-23

CAS: 977-96-8



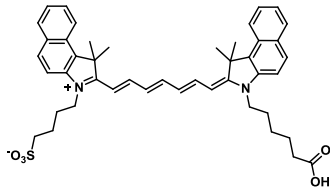
1,1'-二乙基-2,2'-羰花青碘

Catalog No.: BFC-20

CAS: 605-91-4

(Sulfo)ICG-dyes

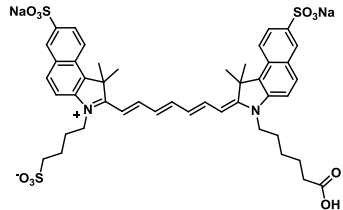
用于反应连接的 ICG-COOH、Sulfo-ICG-COOH、ICG-NHS、Sulfo-ICG-NHS、ICG-amine、Sulfo-ICG-amine；和可用于生物正交标记的 ICG 叠氮、DBCO、炔、酰胺、四嗪、马来酰亚胺衍生物。



ICG-carboxylic acid

Catalog No.: BIG-1

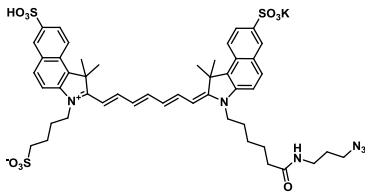
CAS: 181934-09-8



disulfo-ICG-acid

Catalog No.: BIG-2

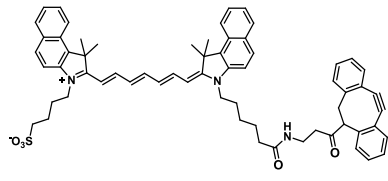
CAS: N/A



disulfo-ICG-azide

Catalog No.: BIG-8

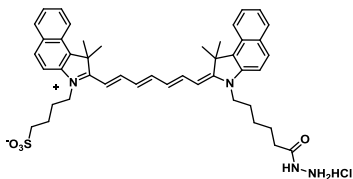
CAS: N/A



ICG-DBCO

Catalog No.: BIG-9

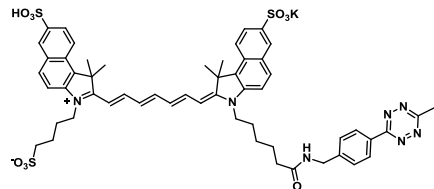
CAS: N/A



ICG-Hydrazide

Catalog No.: BIG-13

CAS: N/A



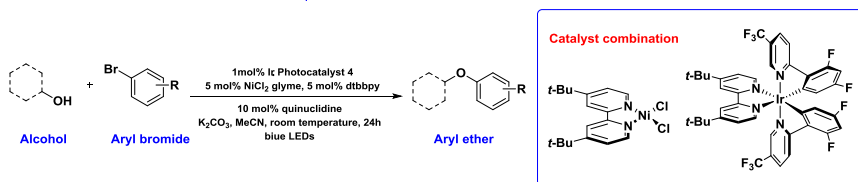
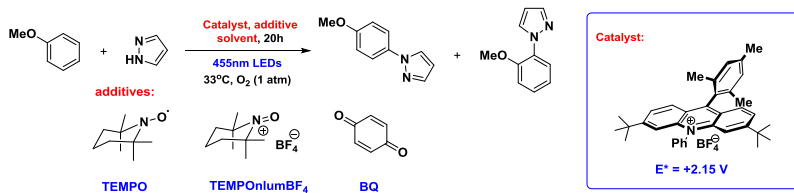
diSulfo-ICGMe-tetrazine

Catalog No.: BIG-12

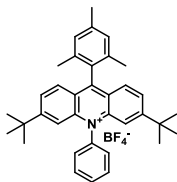
CAS: N/A

光反应催化剂

吡啶盐、钌及铱复合物，作为光敏剂催化各种类型的有机反应。



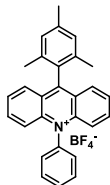
吡啶盐



9-均三甲苯基-3,6-二叔丁基-10-苯基吡啶-10-四氟硼酸盐

Catalog No.: BMA-13

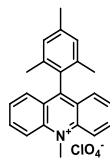
CAS: 1810004-87-5



9-均三甲苯基-10-苯基吡啶四氟硼酸盐

Catalog No.: BMA-1

CAS: 1621019-96-2

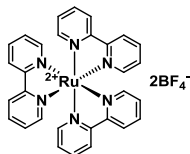


9-均三甲苯基-10-苯基吡啶高氯酸盐

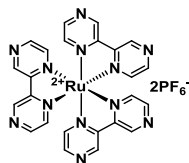
Catalog No.: BMA-3

CAS: 674783-97-2

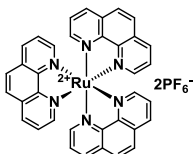
钌复合物



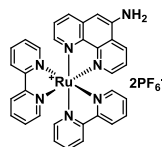
Ru(bpy)₃(BF₄)₂
Catalog No.: BPR-2
CAS: 63950-81-2



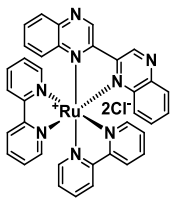
Ru(bpz)₃(PF₆)₂
Catalog No.: BPR-5
CAS: 80907-56-8



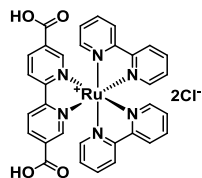
Ru(phen)₂(PF₆)₂
Catalog No.: BPR-11
CAS: 60804-75-3



Ru(bpy)₂(5-amino-Phen)(PF₆)₂
Catalog No.: BPR-13
CAS: 84537-86-0

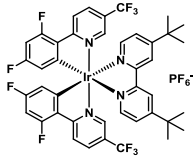


二(2,2'-联吡啶)[(2,2'-联吡啶[5,10]并苯基)钌二(高氯酸)盐
Catalog No.: BPR-16
CAS: 1610356-29-0



bis(2,2'-bipyridine)[[2,2'-bipyridine]-5,5'-dicarboxylato(2-)]dihydrochloride
Catalog No.: BPR-17
CAS: 258334-13-3

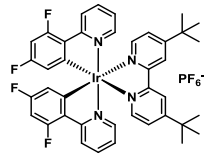
铱复合物



[Ir(dF(CF₃)ppy)₂(dtbbpy)]PF₆

Catalog No.: BPI-1

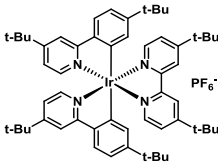
CAS: 870987-63-6



[Ir(dFppy)₂(dtbbpy)]PF₆

Catalog No.: BPI-5

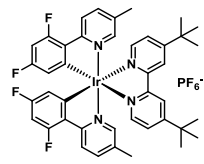
CAS: 1072067-44-7



[Ir(4-*t*-Bu-Phenyl-4-*t*-Bu-Py)₂(dtbbpy)]PF₆

Catalog No.: BPI-8

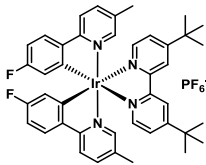
CAS: 808142-80-5



[Ir(dF(Me)ppy)₂(dtbbpy)]PF₆

Catalog No.: BPI-9

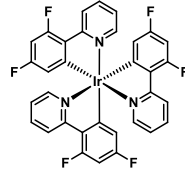
CAS: 1335047-34-1



Ir[*p*-F(Me)ppy]₂(dtbbpy)PF₆

Catalog No.: BPI-13

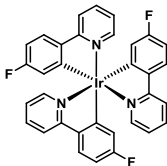
CAS: 808142-88-3



***fac*-Ir(dFppy)₃**

Catalog No.: BPI-14

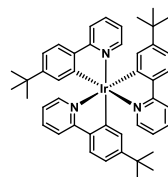
CAS: 391665-84-2



***fac*-Ir(*p*-Fppy)₃**

Catalog No.: BPI-17

CAS: 370878-69-6



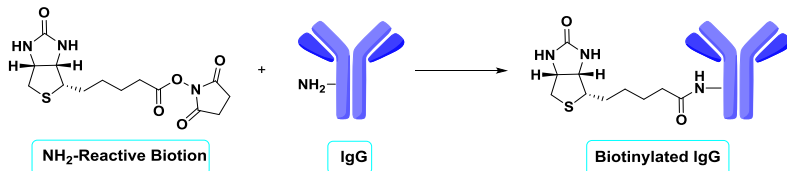
***fac*-Ir(*p*-*t*Bu-ppy)₃**

Catalog No.: BPI-18

CAS: 59014-76-9

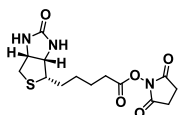
生物素标记

胺反应性、羧基反应性、羰基反应性、水溶性及可裂解的生物素、点击化学、脱硫生物素等。



生物素-胺反应

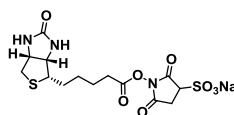
生物素衍生物用于高效的将生物素标记在抗体、蛋白质和其他含胺的大分子。



Biotin-NHS

Catalog No.: BB-1

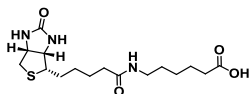
CAS: 35013-72-0



Biotin-Sulfo-NHS

Catalog No.: BB-2

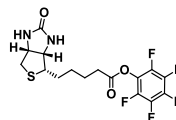
CAS: N/A



Biotin-LC

Catalog No.: BB-6

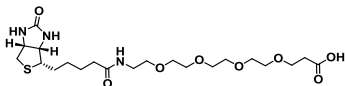
CAS: 72040-64-3



Biotin-PFP

Catalog No.: BB-4

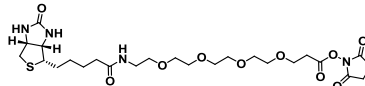
CAS: 120550-35-8



Biotin-PEG₄-acid

Catalog No.: BB-3

CAS: 721431-18-1



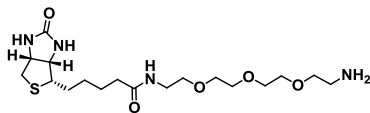
Biotin-PEG₄-NHS

Catalog No.: BB-70

CAS: 459426-22-3

生物素-羧基反应

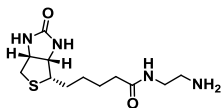
含一个末端伯胺的生物素衍生物，可以与含有羧基、异硫氰酸等官能团的化合物连接。



Biotin-PEG₃-NH₂

Catalog No.: BB-11

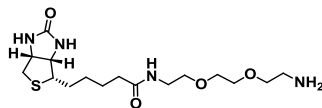
CAS: 359860-27-8



Biotin-EA

Catalog No.: BB-9

CAS: 111790-37-5



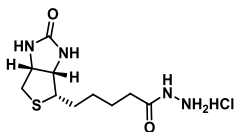
Biotin-PEG₂-NH₂

Catalog No.: BB-10

CAS: 138529-46-1

生物素-羰基反应

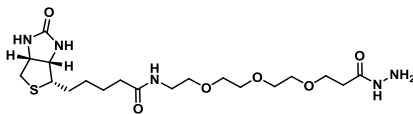
生物素酰肼和氧胺肼衍生物，可与醛交联。



Biotin hydrazide HCl

Catalog No.: BB-12

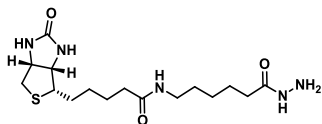
CAS: 66640-86-6



Biotin-PEG₃-hydrazide

Catalog No.: BB-13

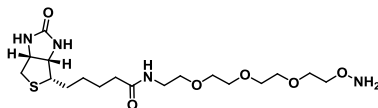
CAS: 1381861-94-4



Biotin-LC-Hydrazide

Catalog No.: BB-14

CAS: 109276-34-8



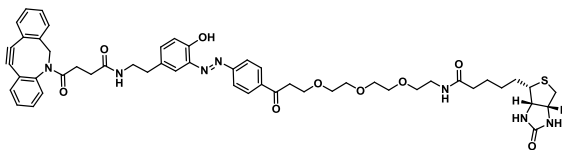
Biotin-PEG₃-oxyamine HCl salt

Catalog No.: BB-15

CAS: 1786206-22-1

生物素-可裂解

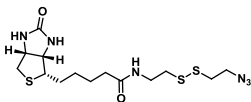
中间含有可裂解官能团的生物素衍生物，如：二硫键、Dde、Diazo、PC 等官能团。



DiazoBiotin-PEG₃-DBCO

Catalog No.: BB-27

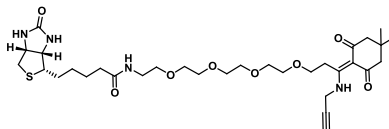
CAS: N/A



Biotin-SS-N₃

Catalog No.: BB-19

CAS: 1620523-64-9



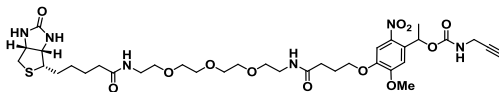
DdeBiotin-PEG₄-alkyne

Catalog No.: BB-21

CAS: 1802908-00-4

生物素-点击化学

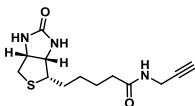
含叠氮基、炔基、二苯并环辛炔、反式环辛烯、s-四嗪的生物素衍生物。生物素可随后用链霉亲和素、抗生物素或中性粒细胞色素结合蛋白检测。



PCBiotin-PEG₃-alkyne

Catalog No.: BB-38

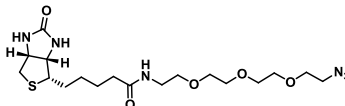
CAS: 1869922-24-6



Biotin alkyne

Catalog No.: BB-33

CAS: 773888-45-2



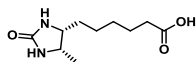
Biotin-PEG₃-N₃

Catalog No.: BB-42

CAS: 875770-34-6

生物素-脱硫生物素

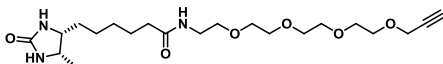
炔、叠氮、DBCO 标记的脱硫生物素。脱硫生物素是一种单环、无硫的生物素类似物，可从链霉亲和素中进行软释放洗脱。



Dethiobiotin

Catalog No.: BB-59

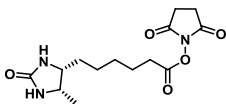
CAS: 533-48-2



Desthiobiotin-PEG₄-Alkyne

Catalog No.: BB-61

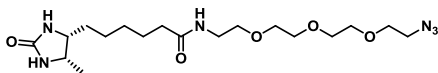
CAS: 1802907-99-8



Desthiobiotin NHS

Catalog No.: BB-60

CAS: 80750-24-9



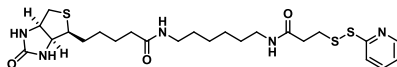
Desthiobiotin-PEG₃-N₃

Catalog No.: BB-62

CAS: 1426828-06-9

生物素-巯基反应

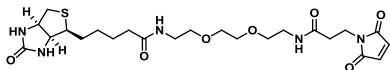
生物素-马来酰胺和生物素-二硫吡啶等，用于在巯基上特异性地标记生物素抗体和生物分子。



Biotin-HPDP

Catalog No.: BB-66

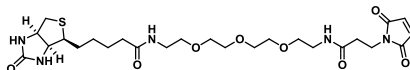
CAS: 129179-83-5



Biotin-PEG₂-Mal

Catalog No.: BB-64

CAS: 305372-39-8

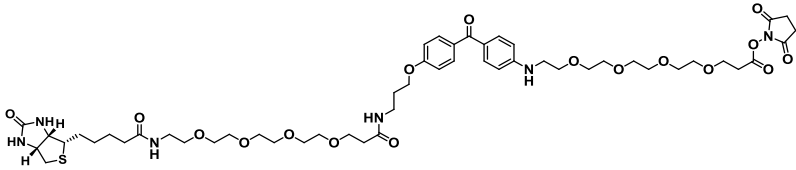


Biotin-PEG₃-Mal

Catalog No.: BB-65

CAS: 1431618-70-0

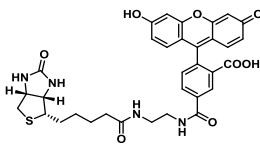
生物素-荧光染料



V-Tracer Biotin NHS

Catalog No.: BB-68

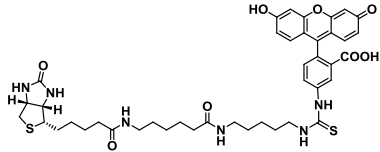
CAS: 1628029-01-5



Biotin-4-fluorescein

Catalog No.: BB-67

CAS: 1032732-74-3

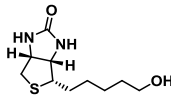


Fluorescein Biotin

Catalog No.: BB-69

CAS: 134759-22-1

生物素-醇

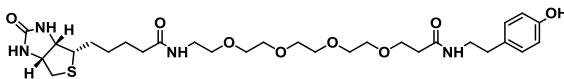


D-Biotinol

Catalog No.: BBC-1

CAS: 53906-36-8

生物素-酚



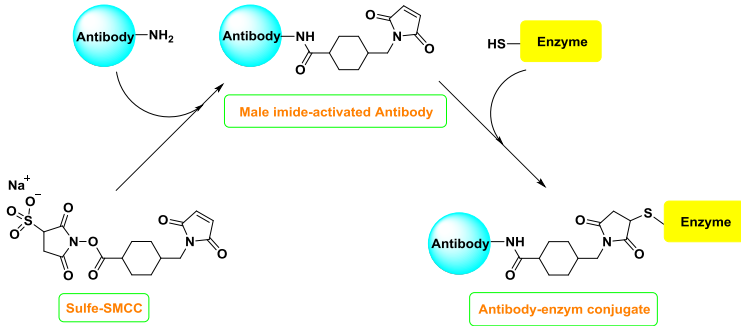
Biotin-PEG4-NH-CH2CH2-4-Phenol

Catalog No.: BB-90

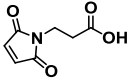
CAS: N/A

蛋白交联剂

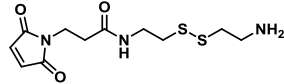
马来酰胺衍生物、巯基衍生物和光交联使用的双吡啶啉化合物。



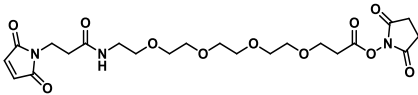
马来酰亚胺衍生物



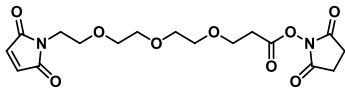
3-Mal-Prop-CO₂H
Catalog No.: BPM-1



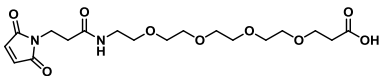
Mal-SS-NH₂
Catalog No.: BPM-27
CAS: N/A



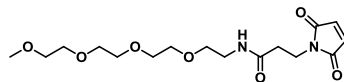
Mal-CONH-PEG₄-NHS
Catalog No.: BPM-18
CAS: 756525-99-2



Mal-PEG₃-NHS
Catalog No.: BPM-15
CAS: 1537892-36-6

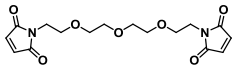


Mal-CONH-PEG₄-NHS
Catalog No.: BPM-7
CAS: 1263045-16-4



mPEG₄-Mal
Catalog No.: BPM-23

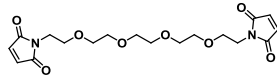
Mal-PEG-Mal



Mal-PEG3-Mal

Catalog No.: BMM-3

CAS: N/A

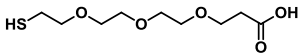


Mal-PEG4-Mal

Catalog No.: BMM-4

CAS: N/A

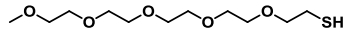
巯基衍生物



HS-PEG3-CO2H

Catalog No.: BPT-1

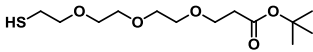
CAS: 1347750-82-6



Me-PEG5-SH

Catalog No.: BPT-8

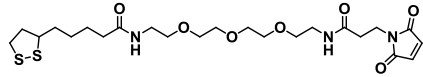
CAS: 524030-00-0



HS-PEG4-COOtBu

Catalog No.: BPT-4

CAS: 564476-33-1

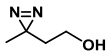


LA-PEG3-NH-Mal

Catalog No.: BPT-17

CAS: 524030-00-0

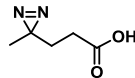
双吡丙啉衍生物



3,3-Azo-1-butanol

Catalog No.: BPZ-1

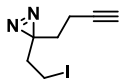
CAS: 25055-82-7



3-(3-Methyl-3H-diazirin-3-yl)propanoic acid

Catalog No.: BPZ-2

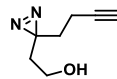
CAS: 25055-86-1



3-(but-3-ynyl)-3-(2-iodoethyl)-3H-diazirine

Catalog No.: BPZ-3

CAS: 1450754-38-7

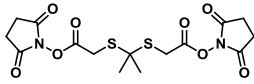


3-(3-Butyn-1-yl)-3H-diazirine-3-ethanol

Catalog No.: BPZ-6

CAS: 1450754-41-2

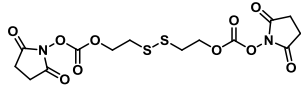
双羧琥珀酰亚胺酯



**2,5-Pyrrolidinedione,
1,1-[(1-methylethylidene)bis
[thio(1-oxo-2,1-ethanediyloxy)]]bis**

Catalog No.: BIN-1

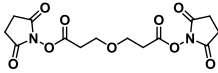
CAS: 125503-35-7



Bis-NHS-2,2'-Dithiodiethanol

Catalog No.: BIN-2

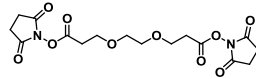
CAS: 1688598-83-5



Bis-PEG1-NHS ester

Catalog No.: BIN-3

CAS: 65869-64-9



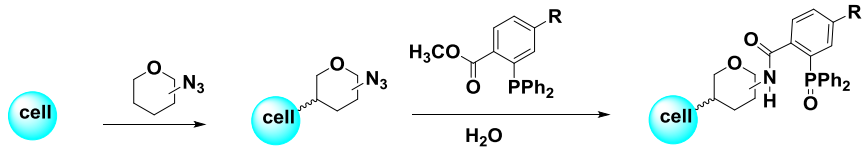
Bis-PEG2-NHS ester

Catalog No.: BIN-4

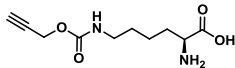
CAS: 65869-63-8

生化小分子标记

点击化学标记的氨基酸、糖、磷脂。

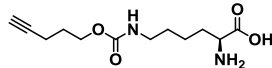


氨基酸标记



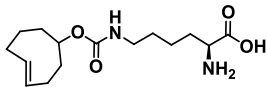
***N*-Propargyl-L-lysine**

Catalog No.: BSM-1
CAS: 1215204-46-8



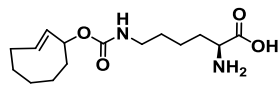
***N*-Pentynyl-L-lysine**

Catalog No.: BSM-2
CAS: 1428845-01-5



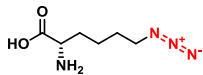
***N*-(4*E*)-TCO-L-lysine**

Catalog No.: BSM-3
CAS: 1380349-88-1



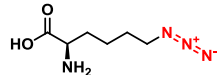
***N*-(2*E*)-TCO-L-lysine**

Catalog No.: BSM-4
CAS: 1580501-94-5



6-azido-L-norleucine

Catalog No.: BSM-6
CAS: 159610-92-1

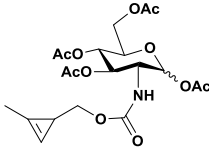


6-Azido-D-lysine HCl

Catalog No.: BSM-7
CAS: 1418009-93-4

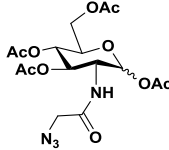
糖标记

叠氮、炔、环丙烯标记的葡萄糖、甘露糖以及半乳糖。



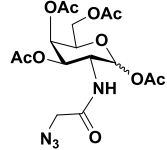
Ac₄GlcNCyclop

Catalog No.: BSM-8
CAS: 1515861-59-2



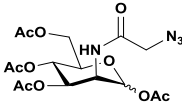
Ac₄GlcNAz

Catalog No.: BSM-9
CAS: 98924-81-3



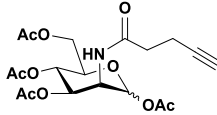
Ac₄GlaNAz

Catalog No.: BSM-11
CAS: 653600-56-7



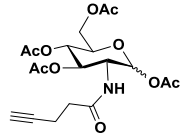
Ac₄ManNAz

Catalog No.: BSM-10
CAS: 361154-30-5



Ac₄ManNAI

Catalog No.: BSM-12
CAS: 935658-93-8

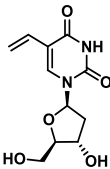


Ac₄GlcNAI

Catalog No.: BSM-13
CAS: 1361993-37-4

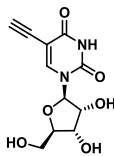
核酸标记

5-乙烯或乙炔标记的尿嘧啶核苷和脱氧尿嘧啶核苷。



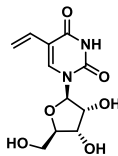
5-vinyl-2'-deoxyuridine

CatalogNo.: BSM-24
CAS: 55520-67-7



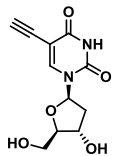
5-Ethynyl uridine

Catalog No.: BSM-26
CAS: 69075-42-9



5-vinyl-uridine

CatalogNo.:BSM-25
CAS: 55520-64-4

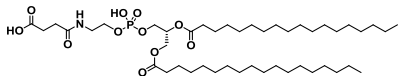


5-Ethynyl-2'-deoxyuridine

Catalog No.: BSM-27
CAS: 61135-33-9

磷脂标记

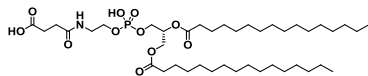
Maleimide、DBCO 等标记的磷脂。



DSPE-COOH

Catalog No.: BSM-14

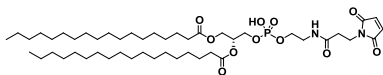
CAS: 248253-94-3



DPPE-COOH

Catalog No.: BSM-15

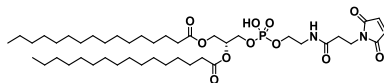
CAS: 186800-61-3



DSPE-Mal

Catalog No.: BSM-16

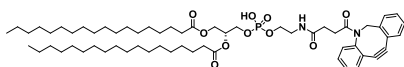
CAS: 1235864-97-7



DPPE-Mal

Catalog No.: BSM-17

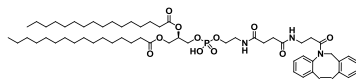
CAS: 1633047-04-7



DSPE-DBCO

Catalog No.: BSM-18

CAS: 2097415-18-2



DPPE-DBCO

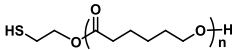
Catalog No.: BSM-19

CAS: 2088572-01-2

功能性大分子聚合物

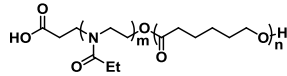
功能性大分子聚合物是具有化学活性功能的高分子材料。有 mPEG(m)-b-PLGA(n)、PLLA2K-PEG4K-PLLA2K、PCL5K-PEO2k-COOH、PEO5k-COOH、PPS(n)-PEO114-PPS(n)、双硫、PEG5K-PLL15K、P(TPMP)190等大分子聚合物。

功能性聚合物



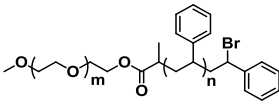
PCL3600-SH

Catalog No.: BGN-3



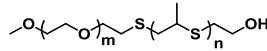
PCL5K-PEO2k-COOH

Catalog No.: BGN-8



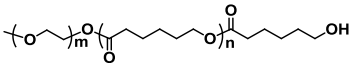
PEO2k-PS32k

Catalog No.: BGN-11



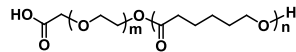
PEG4k-PPS50k

Catalog No.: BGN-13



mPEG(m)-b-PCL(n)

Catalog No.: BGN-1



COOH-PEG2K-b-PCL12K

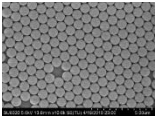
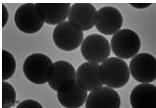
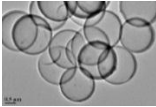
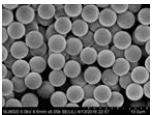
Catalog No.: BGN-2

功能微球材料

微球是粒径从几十纳米到几百微米的胶体材料。由于其特殊的尺寸和形貌，微球材料在日用化工、能源存储与催化、生物医药、废水处理、石油化工等领域应用广泛。

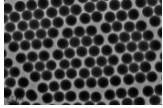
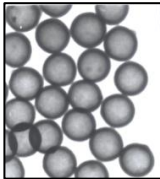
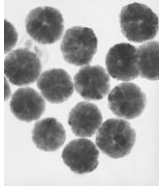
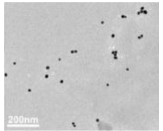
聚合物微球材料

聚合物微球材料有单分散聚苯乙烯微球、单分散聚多巴胺纳米粒子、空心聚多巴胺微球，介孔聚多巴胺纳米粒子、单分散密胺树脂微球。

产品编号	产品名称	包装	尺寸		
BWQ-1	单分散聚苯乙烯微球	2.5% W/V 10 mL	0.2-0.5 μm 1.0-1.5 μm 2.0-2.5 μm	0.6-1.0 μm 1.5-2.0 μm 2.5-3.0 μm	
BWQ-10	单分散聚多巴胺纳米粒子	2.0% W/V 10 mL	50-150 μm 150-250 μm 250-350 μm 350-450 μm 450-550 μm		
BWQ-21	空心聚多巴胺微球	1.0% W/V 10 mL	50-100 nm 100-200 nm 200-300 nm 300-400 nm 400-500 nm	500-600 nm 600-700 nm 700-800 nm 800-900 nm 900-1000 nm	
BWQ-29	单分散密胺树脂微球	5% W/V 10 mL	1.0-2.0 μm 2.0-3.0 μm 3.0-4.0 μm 4.0-5.0 μm 5.0-6.0 μm		

无机胶体粒子材料

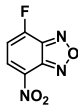
无机胶体粒子材料有单分散二氧化硅微球、空心二氧化硅微球、四氧化三铁磁性纳米粒子、金纳米粒子、金纳米棒、银纳米粒子等。

产品编号	产品名称	包装	尺寸	
BWQ-30	单分散二氧化硅微球	2.5% W/V, 10mL	300-400 nm 400-500 nm 500-600 nm 600-700 nm 700-800 nm 800-900 nm	
BWQ-45	空心二氧化硅微球	2.5% W/V, 10 mL	300-400 nm 400-500 nm 500-600 nm 600-700 nm 700-800 nm 800-900 nm	
BWQ-46	四氧化三铁磁性纳米粒子	50% W/V, 10 mL	100-200 nm 200-300 nm 300-400 nm 400-500 nm	
BWQ-51	金纳米粒子	>0.75 A520 Units/ml, 25 mL	10-20 nm 20-30 nm	

其它热销生化试剂

9,10-蒽二基-二(亚甲基)二丙二酸、三蝶烯-9,10-二甲醛、*N*-苄基奎宁氯、4-氟-7-硝基苯并-2-氧杂-1,3-二唑等。

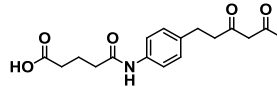
其它热销生化试剂



4-氟-7-硝基苯并-2-氧杂-1,3-二唑

Catalog No.: BDZ-8

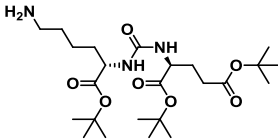
CAS: 29270-56-2



4-[4-(3,5-dioxo-hexyl)-phenylcarbamoyl]-butyric acid

Catalog No.: BDZ-2

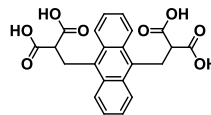
CAS: 192650-26-3



(S)-Di-tert-butyl 2-(3-((S)-6-amino-1-(tert-butoxy)-1-oxohexan-2-yl)ureido)pentanedioate

Catalog No.: BDZ-3

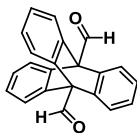
CAS: 1025796-31-9



9,10-蒽二基-二(亚甲基)二丙二酸

Catalog No.: BDZ-4

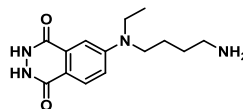
CAS: 307554-62-7



三蝶烯-9,10-二甲醛

Catalog No.: BDZ-5

CAS: 467429-73-8

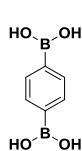


***N*-(4-Aminobutyl)-*N*-ethylisoluminol**

Catalog No.: BDZ-10

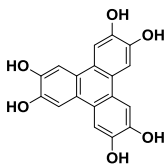
CAS: 66612-29-1

COF/MOF 配体



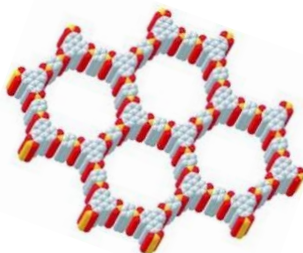
BDBA

+



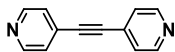
HHTP

=



COF-5

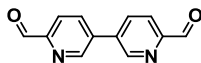
COF/MOF 配体



1,2-二(吡啶-4-基)炔

Catalog No.: BMC-16

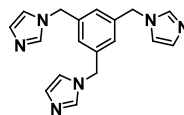
CAS: 73564-69-9



3,3'-联吡啶-6,6'-二甲醛

Catalog No.: BMC-2

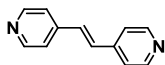
CAS: 1264748-06-2



1,3,5-三(4-吡啶基)苯

Catalog No.: BMC-21

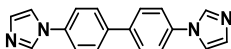
CAS: 147951-02-8



(E)-1,2-二(4-吡啶基)乙烯

Catalog No.: BMC-8

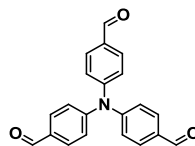
CAS: 13362-78-2



2,2'-联吡啶-5,5'-二甲醛

Catalog No.: BMC-14

CAS: 855766-92-6



三(4-甲酰苯基)胺

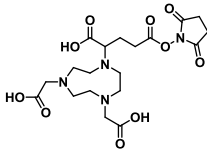
Catalog No.: BMC-1

CAS: 119001-43-3

双功能螯合剂

双功能螯合剂(DOTA/NOTA 衍生物)、H3RESCA、Conjugates(共轭物)、Fluorescent Probes(荧光探针)、Macrocyclic Ligands(大环配体)、Magnetic Resonance Reagents(磁共振试剂)、Reactive Intermediates(活性中间体)等螯合剂。

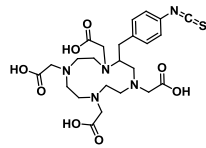
DOTA/NOTA 衍生物



NODA-GA-NHS ester

Catalog No.: BDN-1

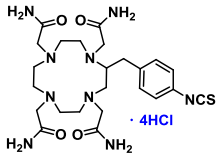
CAS: 1407166-70-4



DOTA-Bn-SCN

Catalog No.: BDN-3

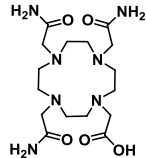
CAS: 127985-74-4



p-SCN-Bn-TCMC

Catalog No.: BDN-14

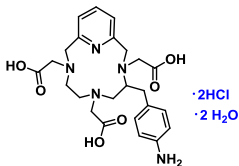
CAS: 282097-63-6



DOTAM-mono-acid

Catalog No.: BDN-17

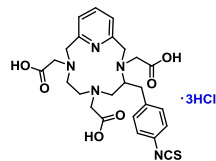
CAS: 913528-04-8



p-NH₂-Bn-PCTA

Catalog No.: BDN-40

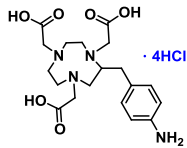
CAS: 2125661-64-3



p-SCN-Bn-PCTA

Catalog No.: BDN-41

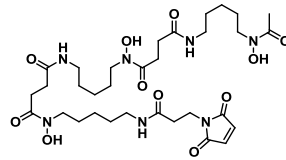
CAS: 949147-44-8



p-NH₂-Bn-NOTA

Catalog No.: BDN-44

CAS: 142131-37-1

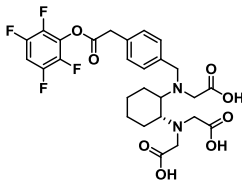


Deferoxamine-maleimide

Catalog No.: BDN-50

CAS: 1638156-31-6

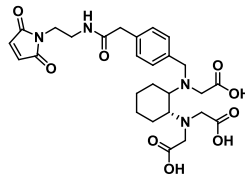
H3RESCA



(+ -) H3RESCA-TFA

Catalog No.: BDDH-1

CAS: 1919794-40-3

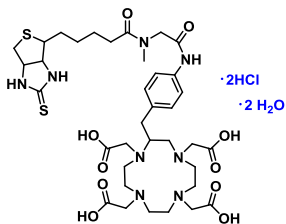


(+ -) H3RESCA-Mal

Catalog No.: BDDH-2

CAS: N/A

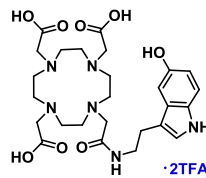
Conjugates (共轭物)



DOTA-Biotin-Sarcosine

Catalog No.: BDNC-1

CAS: 180978-54-5

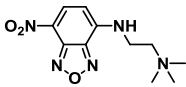


DO3A-Serotonin

Catalog No.: BDNC-2

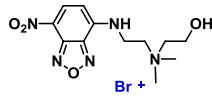
CAS: 2125661-93-8

Fluorescent Probes (荧光探针)



EAM-1

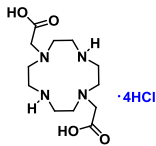
Catalog No.: BDNE-1
 CAS: 287970-46-1



EAM-2

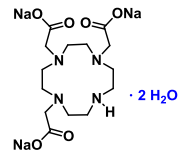
Catalog No.: BDNE-2
 CAS: 287970-46-1

Macrocyclic Ligands (大环配体)



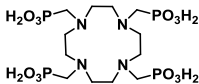
DO2A

Catalog No.: BDNM-3
 CAS: 112193-75-6



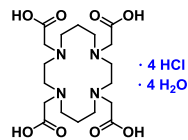
DO3A

Catalog No.: BDNM-4
 CAS: 217973-03-0



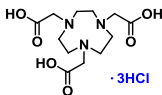
DOTP

Catalog No.: BDNM-6
 CAS: 91987-74-5



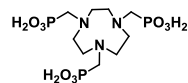
TETA

Catalog No.: BDNM-8
 CAS: 314041-07-1



NOTA

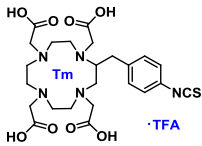
Catalog No.: BDNM-14
 CAS: 56491-86-2



NOTP

Catalog No.: BDNM-15
 CAS: 83834-39-3

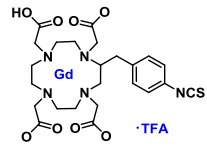
Magnetic Resonance Reagents (磁共振试剂)



Tm-p-SCN-Bn-DOTA

Catalog No.: BDNX-1

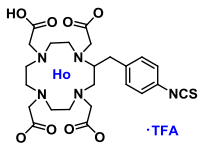
CAS: 2126179-32-4



Gd-p-SCN-Bn-DOTA

Catalog No.: BDNX-2

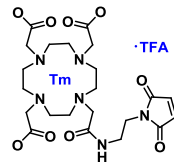
CAS: 2126179-26-6



Ho-p-SCN-Bn-DOTA

Catalog No.: BDNX-3

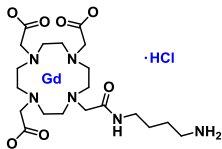
CAS: 2126179-28-8



Tm-Maleimido-DOTA

Catalog No.: BDNX-4

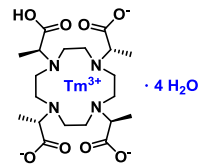
CAS: 1552305-24-4



Gd-DO3A-Butylamine

Catalog No.: BDNX-6

CAS: 782423-00-1

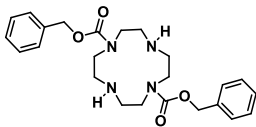


Tm-DOTMA

Catalog No.: BDNX-10

CAS: 2126179-30-2

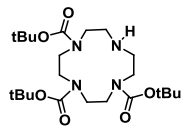
Reactive Intermediates (活性中间体)



Bis-CBZ-Cyclen

Catalog No.: BDNI-1

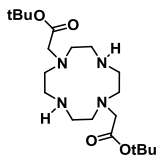
CAS: 162148-45-0



Tris-BOC-Cyclen

Catalog No.: BDNI-2

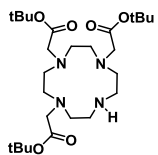
CAS: 175854-39-4



DO2A-tert-butyl ester

Catalog No.: BDNI-4

CAS: 162148-48-3



DO3A-tert-butyl ester

Catalog No.: BDNX-5

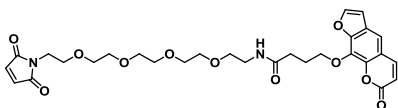
CAS: 122555-91-3

定制合成

定制目录产品的类似物及衍生物。此外，天然产物衍生物及生物活性小分子也可定制。定制合成生物素和荧光修饰的天然产物或药物小分子、特殊需求的荧光染料、生物素标记、生物正交标记、PEG、COF/MOF 配体等。

定制合成化合物

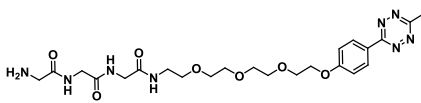
定制目录产品的类似物及衍生物。此外，天然产物衍生物及生物活性小分子也可定制。



Mal-PEG4-Posralen

Catalog No.: BCS-3

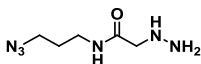
CAS: N/A



GGG-PEG4-Tz

Catalog No.: BCS-6

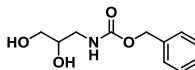
CAS: N/A



N-(3-Azidopropyl)-2-hydrazinylacetamide

Catalog No.: BCS-7

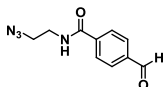
CAS: 2190512-38-8



N-(苄氧基羰基)-3-氨基-1,2-丙二醇

Catalog No.: BCS-8

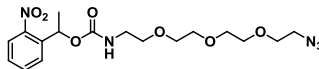
CAS: 108587-40-2



N-(2-azidoethyl)-4-formylbenzamide

Catalog No.: BCS-19

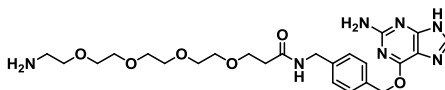
CAS: 2197953-19-6



N-(2-azidoethyl)-4-formylbenzamide

Catalog No.: BCS-21

CAS: N/A



BG-PEG4-Amine

Catalog No.: BCS-33

CAS: N/A

部分产品使用说明

一、点击化学

经典的点击化学使用铜，铜 (I) 催化炔与叠氮化合物的 1,3-偶极环加成反应生成 1,2,3-三唑。铜 (I) 的来源包括：碘化铜 (I)、溴化铜 (I)、铜屑 (铜) 或硫酸铜 (CuSO_4) 和还原剂。然而，由于 Cu (I) 的热力学不稳定性，它很容易被氧化成不活泼的 Cu (II)，因此通常需要用合适的螯合配体来制备铜催化剂。点击化学的一种改进方法是使用抗坏血酸钠和稳定的 Cu (I) 配体三-(苜蓿三唑基甲基)胺 (TBTA) 从 CuSO_4 还原中原位制备 Cu (I)。通过避免溶解的氧催化的 Cu (I) 的氧化，从而提高点击的可靠性。在典型的反应中，将硫酸铜 TBTA 预络合。将该络合的催化剂与炔烃和叠氮化物混合，然后通过添加抗坏血酸钠以引发点击反应。

TBTA 涵盖了点击化学除水结合反应以外的一些实际应用。水溶性三 (3-羟丙基三唑基甲基) 胺 (THPTA) 的点击配体通过使整个反应在水中进行而进一步简化了点击化学，为点击反应提供了生物相容性。THPTA 的配体与 Cu (I) 结合阻断了 Cu (I) 的生物利用度，并改善潜在的毒性作用，同时保持点击偶联的催化效果。THPTA 配体可有效地标记活细胞，同时保持细胞活力。我们发 THPTA 在部分完全水性反应中是单击化学的高效配体。室温下仅需 15-30 分钟即可完成标，冷冻至少一个月后，配体 CuSO_4 复合物未显示出活性损失。

举例

本部分包含一些点击反应的常规反应，这些可以用作优化您的特定点击化学的起点。
寡核苷酸和 DNA 的标记。

1. 准备以下储备溶液：

- (1) 200 mm THPTA 配体水溶液。
 - (2) 100 mm CuSO_4 水溶液。
 - (3) 炔烃标记的低聚物水溶液。
 - (4) 100 毫米抗坏血酸钠水溶液。
 - (5) DMSO/TBUOH 或水中的 10 mM 叠氮化物。
2. 反应前几分钟，将 CuSO_4 与 THPTA 配体以 1 : 2 的比例孵育。溶液冷冻几周后任稳定。
3. 在寡核苷酸/DNA 溶液中加入过量的叠氮 (4-50eq)。
4. 加入 25 当量 THPTA/ CuSO_4 。
5. 加入 40 当量的抗坏血酸钠。
6. 让反应在室温下静置 30-60 分钟。
7. 乙醇沉淀低聚物或提纯物。

二、PEG-NHS 酯偶联说明

PEG-NHS 酯是一类具有一定长度 PEG 间隔的胺类反应性试剂。该试剂溶于 DMSO 或 DMF 等有机溶剂中。一旦溶解在有机溶剂中，试剂将在不含胺的水缓冲液中进一步稀释。PEG-NHS 酯在中性或弱碱性缓冲液中与伯氨基 (-NH₂) 发生有效反应，形成稳定的酰胺键。由于抗体和其他蛋白质除了含有每个多肽的 N-末端外，通常还含有多个赖氨酸 (K) 残基，因此它们具有多个一级胺可用作 NHS 活化 PEG 试剂标记的靶标。

产品信息

1. PEG-NH 酯对水分敏感。将试剂瓶与干燥剂一起储存在 -20 °C 下。为避免水分凝结到产品上，请在打开前将小瓶平衡至室温。
2. 使用前立即溶解 PEG-NHS 酯。氨基部分容易水解，不发生反应；因此，一次只称取少量试剂并溶解，不要准备储存溶液。丢弃不用的重组试剂。
3. 避免含有伯胺 (例如 Tris 或甘氨酸) 的缓冲液，因为它们会与预期的反应竞争。如有必要，进行透析或除盐，以将蛋白质样品交换为无胺缓冲液，例如磷酸盐缓冲液。

其他材料

1. 磷酸盐缓冲盐水 (TBS) : 0.1 M 磷酸盐, 0.15 M 氯化钠; pH 7.2 或其他不含胺的 pH 7.0-8.0 缓冲液。
2. 淬灭缓冲液: Tris (三羟甲基氨基甲烷) 缓冲盐水 (TBS); 25 mm Tris; 0.15M 氯化钠; pH 7.2; 甘氨酸或其他含胺缓冲液。
3. 水溶性有机溶剂, 如二甲基亚砷 (DMSO) 或二甲甲酰胺 (DMF)。
4. 10-100 μL 样品体积; 0.1-30.0 mL 样品体积的 Slide-A-Lyzer® 透析盒式试剂盒; 或大于 10 μL 至 4 mL 样品体积的 Zeba 旋转脱盐柱。

用 PEG 标记 IgG 的流程

1. 计算:

PEG 连接剂标记的程度取决于蛋白质上氨基的大小和分布以及所用试剂的数量。与涉及浓缩蛋白溶液的反应相比，用稀释蛋白溶液标记反应需要比 PEG-NHS 酯连接剂多出更多的摩尔量才能达到相同的掺入水平。通常使用 20 倍的 PEG-NHS 酯连接剂标记 1-10 mg/mL 抗体 (IgG), 结果每个抗体分子标记 4-6 个连接剂。调整 NHS-(PEG)_n 与蛋白的摩尔比, 以获得理想的掺入水平。

- (1) 计算聚乙二醇 NHS 酯的微摩尔数, 添加到反应中, 以获得 20 倍的摩尔量。
- (2) 计算加入反应的 10 mm PEG-NHS 酯试剂的微升数。

2. PEG-NHS 酯标记反应:

对于 10 μL 至 100 μL 的反应体积,可以在单个 Slide-A-Lyzer MINI 透析装置中方便地进行缓冲液交换和 PEG 化。对于 0.1 mL 至 30 mL 的反应体积,可以使用 Slide-A-Lyzer 透析盒。另外,Zeba 旋转脱盐柱可用于更快的缓冲液交换。

- (1) 在第 3 步中打开之前,将小瓶 PEG-NHS 酯平衡至室温。
- (2) 根据计算,将 1-10 mg 蛋白溶解在 0.5-2 mL PBS 中。
- (3) 在即将使用前,立即向 1mL DMSO 或 DMF 中加入约 5 毫克的聚乙二醇 NHS 酯,制备 10 mM 溶液。
- (4) 在蛋白质溶液中加入适当体积的 PEG-NHS 酯溶液(摩尔过量 20 倍),确保有机溶剂的体积不超过最终反应体积的 10 %。
- (5) 在冰上孵育反应 2 小时或室温下 30-60 分钟。
- (6) 通过透析或凝胶过滤除去未反应的 PEG-NHS 酯。
- (7) 使用与非聚乙二醇化蛋白相同的最佳条件储存聚乙二醇化蛋白。

PEG-NHS 酯修饰小分子胺的方法

1. 将含胺的小分子溶解在有机溶剂(例如 DMF, CH_2Cl_2 , DMSO, THF 或其他需要的溶剂)中。
2. 在连续搅拌下,根据反应动力学,将 PEG-NHS 酯以摩尔比 1:1 或 2:1 当量加入到上述反应混合物中。
3. 根据底物性质,将反应混合物搅拌 3-24 小时,通过 LC-MS 或 TLC 板监测。
4. 最终产物可通过常规的有机合成或柱层析进行分离。

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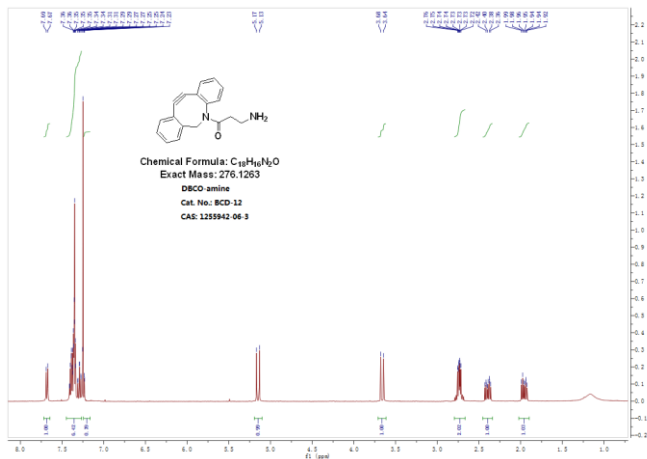
产品质量控制

向客户提供高纯度产品是我们的首要任务。我们建立了严格的质量保证/质量控制标准。通过柱层析、制备 HPLC 对产品进行纯化，结合 HPLC 和 NMR 来确定产品的纯度，以确保为客户提供品质一流的试剂。



NMR

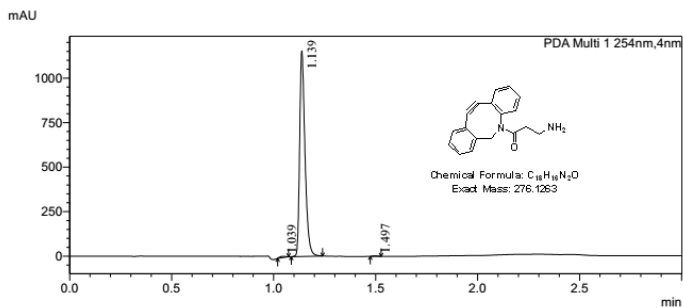
NMR 是鉴定和纯度分析我们产品的主要方法。我们对每种化合物使用 ^1H NMR, 并在需要时另外使用 ^{31}P , ^{13}C 或 ^{19}F NMR。



HPLC

HPLC 与 MS 结合使用是用于产品鉴定和纯度分析的强大工具。它提供定量的纯度测量和化合物的分子量。

<Chromatogram>



Peak Table

Peak#	Ret. Time	Height	Height%	Area	Area%
1	1.039	7467	0.653	15946	0.749
2	1.139	1133663	99.109	2107613	99.046
3	1.497	2726	0.238	4363	0.205
Total		1143856	100.000	2127922	100.000

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