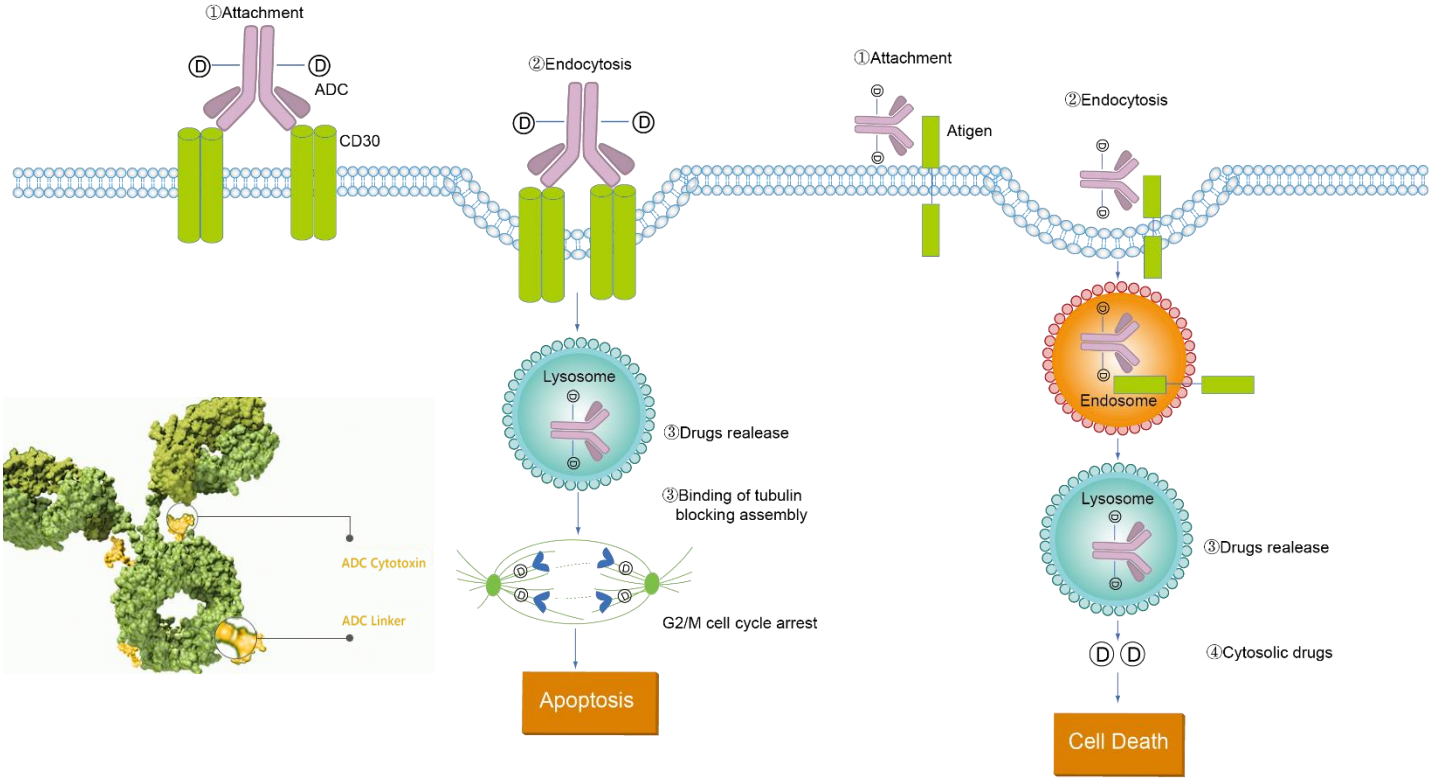
インヒビターやアゴニスト、モジュレーターを幅広く供給

MCE®
MedChem Express

抗体-薬物複合体（ADC）関連化合物



●抗体-薬物複合体（ADC）研究に有用な
細胞傷害性の小分子、リンカーを提供。

●Auristatin、Maitansine、Calicheamicinなど
複数の細胞毒素をラインナップ

●抗体-薬物複合体（ADC）は、癌化学療法において新規な治療
形式で、パラダイムシフトを起こす大きな可能性を有してます。

●高純度を保証するためにNMRおよびHPLCにより分析。

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抗体-薬物複合体(ADC) 関連化合物
～Antibody-drug Conjugate/ADC Related～

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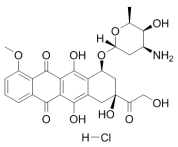
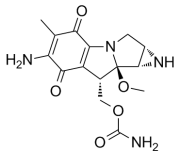
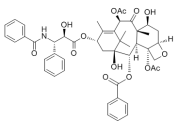


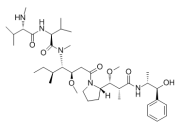
HY-15142
Doxorubicin hydrochloride
Doxorubicin hydrochloride is a Topoisomerase II (Top2) catalytic inhibitor, also is a broad spectrum antibiotic used in the treatment of cancers, with IC50 of 374 nM for Hela cells.
Target: ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 25316-40-9)



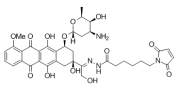
HY-13316
Mitomycin C
Mitomycin C is a DNA-damaging agent and small-molecule inhibitor effectively sensitize cancer cells to tumor necrosis factor (TNF)-related apoptosis-inducing ligand (TRAIL).
Target: ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 50-07-7)



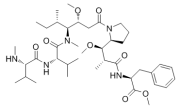
HY-B0015
Paclitaxel
Paclitaxel is a potent anticancer agent known to promote microtubule (MT) assembly, inhibit MT depolymerization, and change MT dynamics required for mitosis and cell proliferation.
Target: ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 33069-62-4)



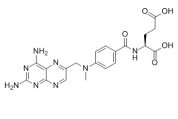
HY-15162
Monomethyl auristatin E
Monomethyl auristatin E (MMAE) is an antimitotic agent which inhibits cell division by blocking the polymerisation of tubulin, and also shows inhibition of antibody-drug conjugates (ADCs) activity.
Target: ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 474645-27-7)



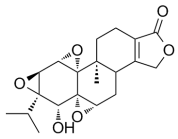
HY-16261
INNO-206
INNO-206 is a prodrug of the anticancer agent doxorubicin, which is released from albumin under acidic conditions.
Target: ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 1361644-26-9)



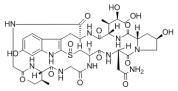
HY-79256
MMAF-OMe
MMAF-OMe inhibits several tumor cell lines with IC50s of 0.056 nM, 0.166 nM, 0.183 nM, and 0.449 nM for MDAMB435/5T4, MDAMB361DYT2, MDAMB468, and Raji (5T4-) cell lines, respectively.
Target: ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 863971-12-4)



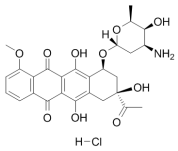
HY-14519
Methotrexate
Methotrexate is a traditional folate antagonist, with median IC50 of 78 nM for a 120 h drug exposure in a panel of six pediatric leukemia and lymphoma cell lines using the sulforhodamine B assay.
Target: ADC Cytotoxin
Effect: Antagonist
(CAS No. : 59-05-2)



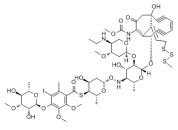
HY-32735
Triptolide
Triptolide is an inhibitor of heat shock factor (HSF1), inhibits HSP90-CDC37 binding and induces acetylation of HSP90, and also inhibits MDM2 expression in a dose-dependent manner with IC50 values range from 47 to 73 nM.
Target: ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 38748-32-2)



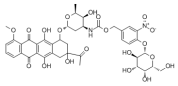
HY-19610
alpha-Amanitin
alpha-Amanitin is a potent inhibitor of DNA-dependent RNA polymerase II.
Target: ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 23109-05-9)



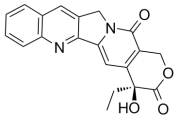
HY-13062
Daunorubicin Hydrochloride
Daunorubicin hydrochloride is a topoisomerase II inhibitor.
Target: ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 23541-50-6)



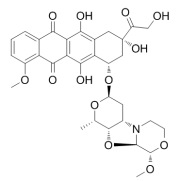
HY-19609
Calicheamicin
Calicheamicin is a potent DNA-binding cytotoxic antibiotic.
Target: ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 108212-75-5)



HY-13061
Daun02
Daun02 is converted by β-galactosidase to Daunorubicin, which is a topoisomerase inhibitor.
Target: ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 290304-24-4)



HY-16560
Campathecin
Campathecin is a potent DNA enzyme topoisomerase I (topo I) inhibitor, with IC50 and IC70 of 50 nM and 0.225 μM in breast cancer cell line MDA-MB-231.
Target: ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 7689-03-4)



HY-16700
PNU-159682
PNU-159682, a highly potent metabolite of the anthracycline nemorubicin with outstanding cytotoxicity, is a topoisomerase inhibitor and ADCs cytotoxin.
Target: ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 202350-68-3)

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抗体-薬物複合体(ADC) 関連化合物
～Antibody-drug Conjugate/ADC Related～

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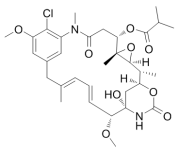
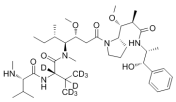
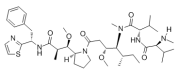


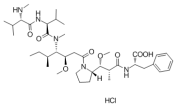
HY-15739
Ansamitocin P-3
Ansamitocin P-3 is a maytansine analog which displays potent cytotoxicity against the human solid tumor cell lines A-549 and HT-29; Antibody drug conjugate cytotoxin.
Target:ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 66584-72-3)



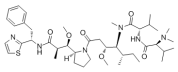
HY-15162A
D8-MMAE
D8-MMAE(D8-Monomethyl auristatin E; D8-Vedotin) is a deuterated form of MMAE.
Target:ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 2070009-72-0)



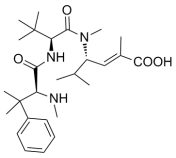
HY-15581
MMAD
Monomethyl auristatin D (MMAD), a potent tubulin inhibitor, is a toxin payload in antibody drug conjugate.
Target:ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 203849-91-6)



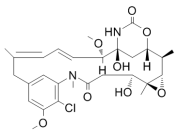
HY-15579A
MMAF Hydrochloride
MMAF hydrochloride is an antitubulin agent that inhibit cell division; inhibits H3397 cell growth with an IC50 of 105 nM.
Target:ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 1415246-68-2)



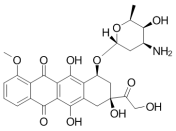
HY-15580
Dolastatin 10
Dolastatin 10(DLS 10;NSC 376128) is a potent antimitotic peptide from a marine animal, strongly inhibits microtubule assembly; Dolastatin and Dolastatin's analogs are the cytotoxic components in Antibody-drug conjugates design (eg. cAC10-
Target:ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 110417-88-4)



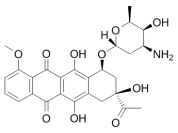
HY-15584
Taltobulin
Taltobulin (HTI-286; SPA-110) is an analogue of Hemiasterlin; potent tubulin inhibitor; ADCs cytotoxin.
Target:ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 228266-40-8)



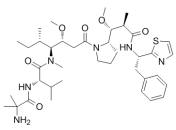
HY-19474
Maytansinol
Maytansinol inhibits microtubule assembly and induces microtubule disassembly in vitro.
Target:ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 57103-68-1)



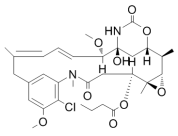
HY-15142A
Doxorubicin
Doxorubicin is a Topoisomerase II (Top2) catalytic inhibitor, also is a broad spectrum antibiotic used in the treatment of cancers, with IC50 of 374 nM for Hela cells.
Target:ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 23214-92-8)



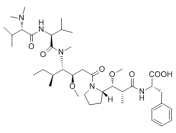
HY-13062A
Daunorubicin
Daunorubicin is a topoisomerase II inhibitor.
Target:ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 20830-81-3)



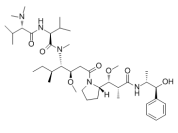
HY-12522
PF-06380101
PF-06380101 is a novel cytotoxic Dolastatin 10 analogue; with excellent potencies in tumor cell proliferation assays and differential ADME properties when compared to other synthetic auristatin analogues that are used in the preparation of ADCs.
Target:ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 1436391-86-4)



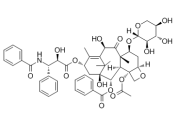
HY-19839
Ansamitocin P 3'
Ansamitocin P 3' exhibits antitumour activity, is an antibody drug conjugate cytotoxin.
Target:ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 66547-09-9)



HY-15583
Auristatin F
Auristatin F is a cytotoxic tubulin modifier with potent and selective antitumor activity; MMAF analog and cytotoxin in Antibody-drug conjugates.
Target:ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 163768-50-1)



HY-15582
Auristatin E
Auristatin E is a cytotoxic tubulin modifier with potent and selective antitumor activity; MMAE analog and cytotoxin in Antibody-drug conjugates.
Target:ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 160800-57-7)



HY-20584
10-Deacetyl-7-xylosyl paclitaxel
10-Deacetyl-7-xylosyl paclitaxel is a Paclitaxel derivative with improved pharmacological features and higher water solubility.
Target:ADC Cytotoxin
Effect: Inhibitor
(CAS No. : 90332-63-1)

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～Antibody-drug Conjugate/ADC Related～

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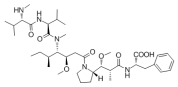
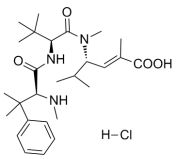
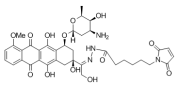


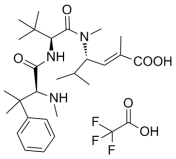
HY-15579
MMAF
MMAF is an antitubulin agent that inhibit cell division; inhibits H3397 cell growth with an IC50 of 105 nM.
Target:**ADC Cytotoxin**
Effect: **Inhibitor**
(CAS No. : 745017-94-1)



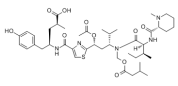
HY-15584B
Taltobulin hydrochloride
Taltobulin hydrochloride is an analogue of Hemiasterlin; potent tubulin inhibitor; ADCs cytotoxin.
Target:**ADC Cytotoxin**
Effect: **Inhibitor**



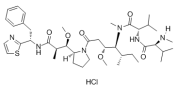
HY-16261A
DOXO-EMCH
DOXO-EMCH is a 6-maleimidocaproyl hydrazone derivative of Doxorubicin, is an albumin binding prodrug.
Target:**ADC Cytotoxin**
Effect: **Inhibitor**
(CAS No. : 151038-96-9)



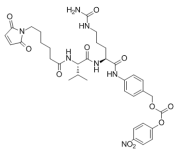
HY-15584A
Taltobulin trifluoroacetate
Taltobulin trifluoroacetate (HTI-286; SPA-110) is an analogue of Hemiasterlin; potent tubulin inhibitor; ADCs cytotoxin.
Target:**ADC Cytotoxin**
Effect: **Inhibitor**
(CAS No. : 228266-41-9)



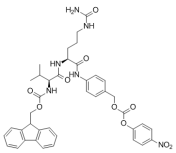
HY-15995
Tubulysin A
Tubulysin A(TubA) is a myxobacterial product that can function as an antiangiogenic agent in many in vitro assays; anti-microtubule, anti-mitotic, an apoptosis inducer, anticancer, anti-angiogenic, and antiproliferative.
Target:**ADC Cytotoxin**
Effect: **Inhibitor**
(CAS No. : 205304-86-5)



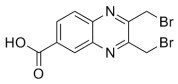
HY-79105
MMAD hydrochloride
Monomethyl auristatin D Hcl (MMAD Hcl), a potent tubulin inhibitor, is a toxin payload in antibody drug conjugate.
Target:**ADC Cytotoxin**
Effect: **Inhibitor**
(CAS No. : 173441-26-4)



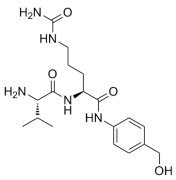
HY-20336
Mc-Val-Cit-PABC-PNP
Mc-Val-Cit-PABC-PNP is a cathepsin cleavable ADC peptide linker.
Target:**ADC Linker**
(CAS No. : 159857-81-5)



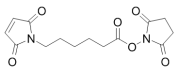
HY-41189
Fmoc-Val-Cit-PAB-PNP
Fmoc-Val-Cit-PAB-PNP is a peptide prodrug linker, is a linker for antibody-drug-conjugation (ADC).
Target:**ADC Linker**
(CAS No. : 863971-53-3)



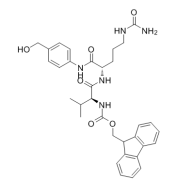
HY-21210
6-Quinoxalinecarboxylic acid, 2,3-bis(bromomethyl)-
6-Quinoxalinecarboxylic acid, 2,3-bis(bromomethyl)- is an useful linker for antibody-drug-conjugations (ADCs), extracted from [Bioorg Chem. 2012 Apr-Jun;41-42:1-5.] compound 1i.
Target:**ADC Linker**
(CAS No. : 32602-11-2)



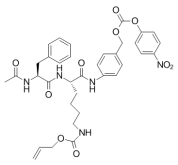
HY-12362
Val-cit-PAB-OH
Val-cit-PAB-OH is a peptide prodrug linker.
Target:**ADC Linker**
(CAS No. : 159857-79-1)



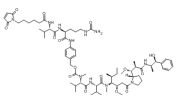
HY-78961
6-Maleimidohexanoic acid N-hydroxysuccinimide ester
6-Maleimidohexanoic acid N-hydroxysuccinimide ester(ECMS) is a useful protective group in antibody drug conjugates.
Target:**ADC Linker**
(CAS No. : 55750-63-5)



HY-19318
Fmoc-Val-Cit-PAB
Fmoc-Val-Cit-PAB is a linker for antibody-drug-conjugation (ADC).
Target:**ADC Linker**
(CAS No. : 159858-22-7)



HY-20560
(Ac)Phe-Lys(Alloc)-PABC-PNP
(Ac)Phe-Lys(Alloc)-PABC-PNP is a useful chemical linker in antibody drug conjugates.
Target:**ADC Linker**



HY-15575
VcMMAE
VcMMAE is a drug-linker conjugate for ADC with potent antitumor activity by using the anti-mitotic agent, monomethyl auristatin E (MMAE), linked via the lysosomally cleavable dipeptide, valine-citrulline (vc).
Target:**Drug-Linker Conjugates for ADC**
Effect: **Inhibitor**
(CAS No. : 646502-53-6)

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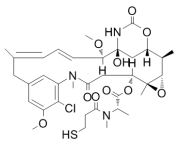
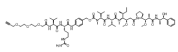
抗体-薬物複合体(ADC) 関連化合物
～Antibody-drug Conjugate/ADC Related～

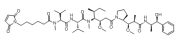
MCE MedChem Express



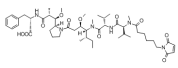
HY-19792
Mertansine
Mertansine is a tubulin inhibitor, inhibits the assemblyof microtubules by binding to tubulin, with a linker structure can create an antibody-drug conjugate (ADC).
Target: Drug-Linker Conjugates for ADC
Effect: Inhibitor
(CAS No. : 139504-50-0)



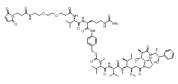
HY-19812
Acetylene-linker-Val-Cit-PABC-MMAE
Acetylene-linker-Val-Cit-PABC-MMAE consists the ADCs linker (Acetylene-linker-Val-Cit-PABC) and potent tubulin inhibitor (MMAE), Acetylene-linker-Val-Cit-PABC-MMAE is an antibody drug conjugate.
Target: Drug-Linker Conjugates for ADC
Effect: Inhibitor
(CAS No. : 1411977-95-1)



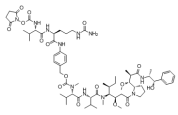
HY-15741
Mc-MMAE
Monomethyl auristatin E (MMAE), a potent tubulin inhibitor, is a toxin payload in antibody drug conjugate; Mc-MMAE is a protective group (maleimidocaproyl) -conjugated MMAE.
Target: Drug-Linker Conjugates for ADC
Effect: Inhibitor
(CAS No. : 863971-24-8)



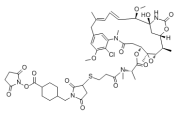
HY-15578
McMMAF
Mc-MMAF is a protective group-conjugated MMAF. MMAF is a more potent drug than Monomethyl auristatin E (MMAE), but is charged and relatively membrane-impermeable, is a potent tubulin inhibitor, is a toxin payload in antibody drug conjugate.
Target: Drug-Linker Conjugates for ADC
Effect: Inhibitor
(CAS No. : 863971-19-1)



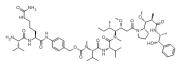
HY-100567
MAL-di-EG-Val-Cit-PAB-MMAE
MAL-di-EG-Val-Cit-PAB-MMAE consists the ADCs linker (MAL-di-EG-Val-Cit-PAB) and potent tubulin inhibitor (MMAE), MAL-di-EG-Val-Cit-PAB-MMAE is an antibody drug conjugate.
Target: Drug-Linker Conjugates for ADC
Effect: Inhibitor



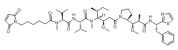
HY-100566
SuO-Val-Cit-PAB-MMAE
SuO-Val-Cit-PAB-MMAE is a drug-linker conjugate for ADC by using the anti-mitotic agent, monomethyl auristatin E (MMAE), linked via the peptide SuO-Val-Cit-PAB.
Target: Drug-Linker Conjugates for ADC
Effect: Inhibitor



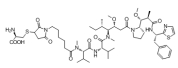
HY-101070
SMCC-DM1
SMCC-DM1 is DM1 with a reactive linker SMCC to make antibody drug conjugate.
Target: Drug-Linker Conjugates for ADC
Effect: Inhibitor
(CAS No. : 1228105-51-8)



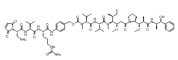
HY-100374
Val-Cit-PAB-MMAE
Val-Cit-PAB-MMAE is a drug-linker conjugate for ADC by using the anti-mitotic agent, monomethyl auristatin E (MMAE), linked via the peptide Val-Cit-PAB.
Target: Drug-Linker Conjugates for ADC
Effect: Inhibitor
(CAS No. : 644981-35-1)



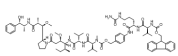
HY-15740
Mc-MMAD
Monomethyl auristatin D (MMAD), a potent tubulin inhibitor, is a toxin payload in antibody drug conjugate; Mc-MMAD is a protective group (maleimidocaproyl) -conjugated MMAD.
Target: Drug-Linker Conjugates for ADC
Effect: Inhibitor
(CAS No. : 1401963-15-2)



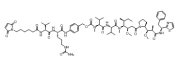
HY-15750
Cys-mcMMAD
Monomethyl auristatin D (MMAD), a potent tubulin inhibitor, is a toxin payload in antibody drug conjugate.
Target: Drug-Linker Conjugates for ADC
Effect: Inhibitor



HY-19813
mDPR-Val-Cit-PAB-MMAE
mDPR-Val-Cit-PAB-MMAE consists the ADCs linker (mDPR-Val-Cit-PAB) and potent tubulin inhibitor (MMAE), mDPR-Val-Cit-PAB-MMAE is an antibody drug conjugate.
Target: Drug-Linker Conjugates for ADC
Effect: Inhibitor
(CAS No. : 1491152-26-1)



HY-19811
Fmoc-Val-Cit-PAB-MMAE
Fmoc-Val-Cit-PAB-MMAE consists the ADCs linker (Fmoc-Val-Cit-PAB) and potent tubulin inhibitor (MMAE), Fmoc-Val-Cit-PAB-MMAE is an antibody drug conjugate.
Target: Drug-Linker Conjugates for ADC
Effect: Inhibitor
(CAS No. : 1350456-56-2)



HY-15742
Vc-MMAD
Vc-MMAD consists the ADCs linker(Val-Cit) and potent tubulin inhibitor (MMAD), Vc-MMAD is an antibody drug conjugate.
Target: Drug-Linker Conjugates for ADC
Effect: Inhibitor
(CAS No. : 1401963-17-4)

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