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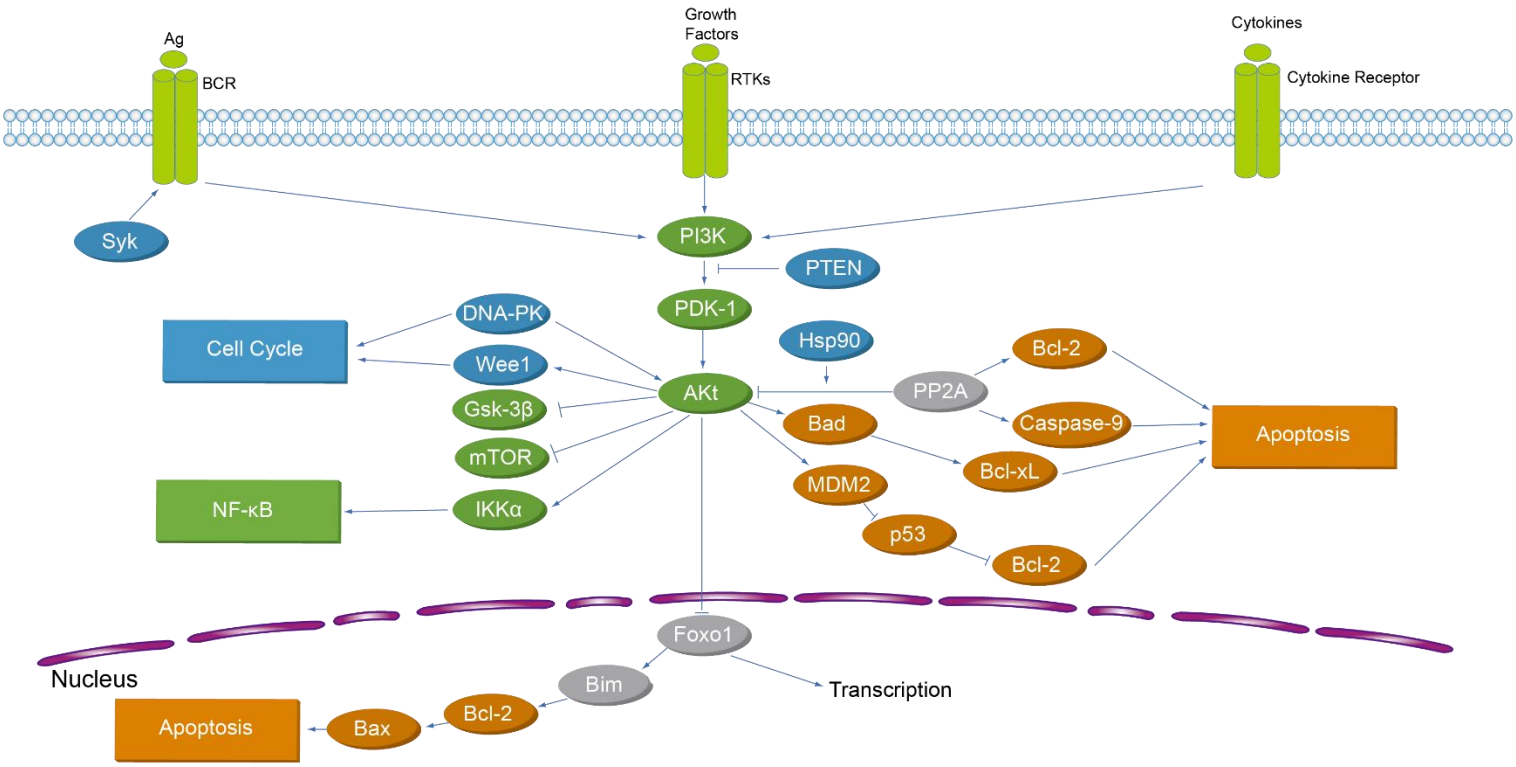
PI3K/Akt/mTOR経路 関連化合物



●細胞の生存、増殖、およびアポトーシスの関連研究に有用。

●固形腫瘍の病態生理および化学療法に対する感受性/耐性に、PI3K/Akt経路に属する多くの遺伝子が関与してます。

●Akt、AMPK、MELK、mTOR、PI3K、PTENなどをターゲット。

●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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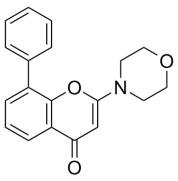
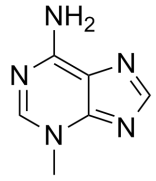
PI3K/Akt/mTOR経路 関連化合物
～PI3K/Akt/mTOR～

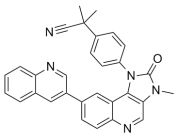
MCE MedChem Express



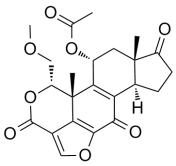
HY-10108
LY294002
LY294002 is a broad-spectrum inhibitor of PI3K, with IC50 of 0.5/0.57/0.97 μM for PI3Kα/δ/β, respectively, also potently inhibits CK2 with IC50 of 98 nM.
Target:PI3K
Effect: Inhibitor
(CAS No. : 154447-36-6)



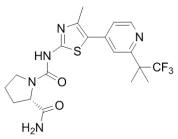
HY-19312
3-Methyladenine
3-Methyladenine is a selective PI3K inhibitor with IC50 of 25 μM and 60 μM for Vps34 and PI3Kγ, respectively, and it can inhibit all PtdIns3Ks at 10 mM.
Target:PI3K
Effect: Inhibitor
(CAS No. : 5142-23-4)



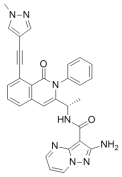
HY-50673
BEZ235
BEZ235 is a dual pan-class I PI3K and mTOR kinase inhibitor with IC50 of 4 nM/5 nM/7 nM/75 nM, and 6 nM for p110α/γ/δ/β and mTOR (p70S6K), respectively.
Target:PI3K
Effect: Inhibitor
(CAS No. : 915019-65-7)



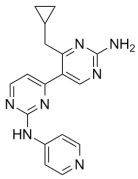
HY-10197
Wortmannin
Wortmannin is a multi-target inhibitor of PI3K and MLCK with IC50s of 3 nM and 170 nM, respectively.
Target:PI3K
Effect: Inhibitor
(CAS No. : 19545-26-7)



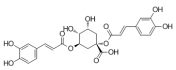
HY-15244
BYL-719
BYL-719 is a potent and selective PI3Kα inhibitor with IC50 of 5 nM.
Target:PI3K
Effect: Inhibitor
(CAS No. : 1217486-61-7)



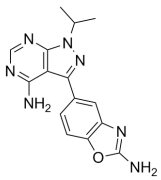
HY-100716
IPI549
IPI549 is a potent and selective PI3Kγ Inhibitor with IC50 of 16 nM.
Target:PI3K
Effect: Inhibitor
(CAS No. : 1693758-51-8)



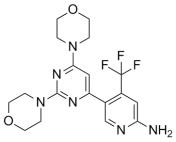
HY-12794
Vps34-PIK-III
Vps34-PIK-III is a potent and selective inhibitor of VPS34 with an IC50 of 18 nM.
Target:PI3K
Effect: Inhibitor
(CAS No. : 1383716-40-2)



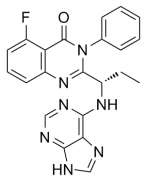
HY-N1412
1,3-Dicaffeoylquinic acid
1,3-Dicaffeoylquinic acid is a caffeoylquinic acid derivative, and activates PI3K/Akt.
Target:PI3K
Effect: Activator
(CAS No. : 19870-46-3)



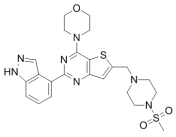
HY-13328
INK-128
INK-128 is a potent and selective mTOR inhibitor with IC50 of 1 nM, > 200-fold less potent to class I PI3K isoforms, superior in blocking mTORC1/2 and sensitive to pro-invasion genes.
Target:PI3K
Effect: Inhibitor
(CAS No. : 1224844-38-5)



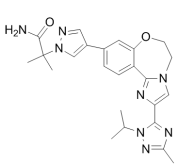
HY-70063
NVP-BKM120
NVP-BKM120 is a pan-class I PI3K inhibitor, with IC50 of 52 nM/166 nM/116 nM/262 nM for p110α/β/δ/γ, respectively.
Target:PI3K
Effect: Inhibitor
(CAS No. : 944396-07-0)



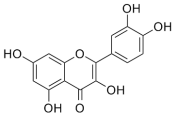
HY-13026
CAL-101
CAL-101 is a highly selective and potent p110δ inhibitor with IC50 of 2.5 nM, is 40- to 300-fold more selective for p110δ relative to other PI3K class I enzymes (p110α, p110β, and p110γ; IC50 are 820, 565, and 89nM, respectively).
Target:PI3K
Effect: Inhibitor
(CAS No. : 870281-82-6)



HY-50094
GDC-0941
GDC-0941 is a potent inhibitor of PI3Kα/δ with IC50 of 3 nM, with modest selectivity against p110β (11-fold) and p110γ (25-fold).
Target:PI3K
Effect: Inhibitor
(CAS No. : 957054-30-7)



HY-13898
GDC-0032
GDC-0032 is a potent β-sparing small molecule inhibitor of PI3K, with IC50 values of 0.29 nM, 0.91 nM, 0.97 nM for PI3Kα, PI3Kβ and PI3Kγ, respectively.
Target:PI3K
Effect: Inhibitor
(CAS No. : 1282512-48-4)



HY-18085
Quercetin
Quercetin is a flavonoid with anticancer activity; mitochondrial ATPase and phosphodiesterase inhibitor and Inhibits PI3-kinase activity and slightly inhibits PIP kinase activity.
Target:PI3K
Effect: Inhibitor
(CAS No. : 117-39-5)

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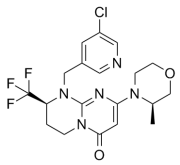
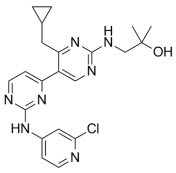
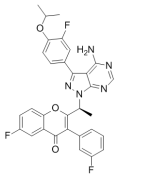


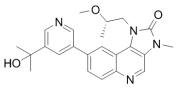
HY-12481
SAR405
SAR405 is highly potent and selective inhibitor of PIK3C3 with an IC50 of 27 nM.
Target:PI3K
Effect: Inhibitor
(CAS No. : 1523406-39-4)



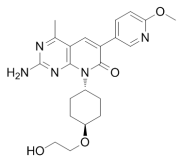
HY-12795
Vps34-IN-1
Vps34-IN-1 is an inhibitor of Vps34 extracted from patent WO/2012085815 A1, compound example 16a; has an IC50 of 4 nM.
Target:PI3K
Effect: Inhibitor
(CAS No. : 1383716-33-3)



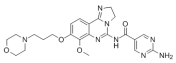
HY-12279
TGR-1202
TGR-1202 is a novel PI3K δ inhibitor, with IC50 and EC50 of 22.2 nM and 24.3 nM, respectively; Also active against CK1 ε, with an EC50 value of 6.0 μM.
Target:PI3K
Effect: Inhibitor
(CAS No. : 1532533-67-7)



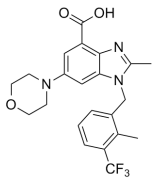
HY-12513
LY3023414
LY3023414 is an oral ATP competitive inhibitor of the class I PI3K isoforms, mTOR and DNA-PK, extracted from patent WO/2012097039A1, compound example 1, has an IC50 of 64.9 nM, 42.1 nM, 10.6 nM, 19.1 nM for Akt1(pT308), Akt1 (pS473), P70S6(pT389), S6RP
Target:PI3K
Effect: Inhibitor
(CAS No. : 1386874-06-1)



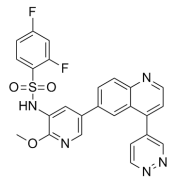
HY-15177
PF-04691502
PF-04691502 is a potent and selective inhibitor of PI3K and mTOR kinases with antitumor activity.
Target:PI3K
Effect: Inhibitor
(CAS No. : 1013101-36-4)



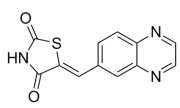
HY-15346
BAY 80-6946
BAY 80-6946 is an ATP-competitive selective class-I PI3 kinases inhibitor, with IC50s of 0.5, 0.7, 3.7 and 6.4 nM for PI3K α, δ, β and γ, and much less active against mTOR (IC50=45 nM) and other PIKs (no inhibition at 1 μM).
Target:PI3K
Effect: Inhibitor
(CAS No. : 1032568-63-0)



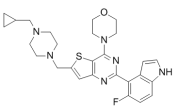
HY-15245
GSK2636771
GSK2636771 is a potent, orally bioavailable, PI3K β-selective inhibitor, sensitive to PTEN null cell lines.
Target:PI3K
Effect: Inhibitor
(CAS No. : 1372540-25-4)



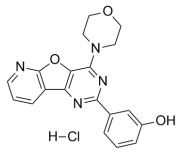
HY-10297
GSK2126458
GSK2126458 is a highly selective and potent inhibitor of PI3K with Ki of 0.019 nM/0.13 nM/0.024 nM/0.06 nM and 0.18 nM/0.3 nM for p110 α / β / δ / γ, mTORC1/2 , respectively.
Target:PI3K
Effect: Inhibitor
(CAS No. : 1086062-66-9)



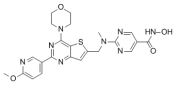
HY-10109
AS-605240
AS-605240 is a specific and orally active inhibitor of the PI3K γ, with IC50 of 8 nM, and Ki of 7.8 nM.
Target:PI3K
Effect: Inhibitor
(CAS No. : 648450-29-7)



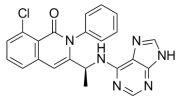
HY-12235
PI-3065
PI-3065 is a novel potent and selective PI3K p110 δ inhibitor with IC50 of 15 nM; exhibits > 100 fold selectivity against p110 α, p110 β, p110 γ, DNA-PK and mTOR.
Target:PI3K
Effect: Inhibitor
(CAS No. : 955977-50-1)



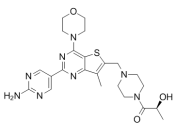
HY-10115A
PI-103 Hydrochloride
PI-103 hydrochloride is a potent PI3K/Akt and mTOR inhibitor with IC50 values of 2 nM for recombinant PI3K isoform p110 α and 30 nM for mTOR.
Target:PI3K
Effect: Inhibitor
(CAS No. : 371935-79-4)



HY-13522
CUDC-907
CUDC-907 potently inhibits class I PI3Ks as well as classes I and II HDAC enzymes with IC50 of 1.7/5.0/1.8/2.8 nM and 19/54/39 nM for HDAC1/2/3/10 and PI3K α / β / δ, respectively.
Target:PI3K
Effect: Inhibitor
(CAS No. : 1339928-25-4)



HY-17044
Duvelisib
Duvelisib (IPI-145) is a novel and selective PI3K δ / γ inhibitor with Ki and IC50 of 23 pM/243 pM and 1 nM/50 nM, highly selective for PI3K δ / γ than other protein kinases.
Target:PI3K
Effect: Inhibitor
(CAS No. : 1201438-56-3)



HY-13246
GDC-0980
GDC-0980 is a potent, class I PI3K inhibitor for PI3K α / β / δ / γ with IC50 of 5 nM/27 nM/7 nM/14 nM in cell-free assays, respectively, and also a mTOR inhibitor with Ki of 17 nM in a cell-free assay, and highly selective versus other PIKK family kinases.
Target:PI3K
Effect: Inhibitor
(CAS No. : 1032754-93-0)

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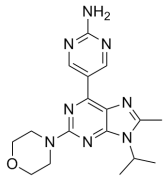
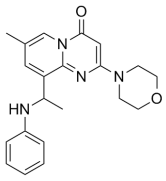
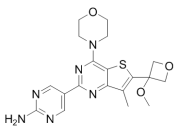


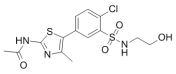
HY-16585
VS-5584
VS-5584 (SB2343) is a potent and selective dual PI3K/mTOR inhibitor for mTOR, PI3K α / β / δ / γ with IC50 of 3.4 nM and 2.6-21 nM, respectively.
Target: PI3K
Effect: Inhibitor
(CAS No. : 1246560-33-7)



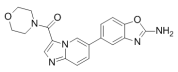
HY-10114
TGX-221
TGX-221 is a potent, selective, and cell membrane permeable inhibitor of the PI3K p110β catalytic subunit, used for cancer treatment.
Target: PI3K
Effect: Inhibitor
(CAS No. : 663619-89-4)



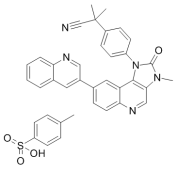
HY-12763
GNE-317
GNE-317 is a potent PI3K/mTOR inhibitor that can cross the blood-brain barrier; shows potent suppression of the PI3K pathway in the brain of mice with intact BBB.
Target: PI3K
Effect: Inhibitor
(CAS No. : 1394076-92-6)



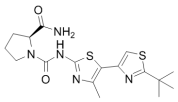
HY-12046
PIK-93
PIK-93 is the first potent, synthetic PI4K (PI4KIIIβ) inhibitor with IC50 of 19 nM; shown to inhibit PI3Kα with IC50 of 39 nM.
Target: PI3K
Effect: Inhibitor
(CAS No. : 593960-11-3)



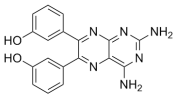
HY-12285
MLN1117
MLN1117 (INK1117) is a selective p110α inhibitor with IC50 of 15 nM.
Target: PI3K
Effect: Inhibitor
(CAS No. : 1268454-23-4)



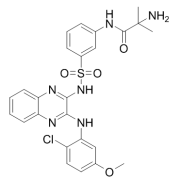
HY-15174
BEZ235 Tosylate
NVP-BEZ235 is a dual PI3K and mTOR kinase inhibitor with IC50 values of 4, 75, 7, 5 nM for PI3Kα, β, γ, δ, respectively.
Target: PI3K
Effect: Inhibitor
(CAS No. : 1028385-32-1)



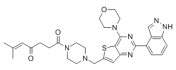
HY-13261
A66
A66 is a highly specific and selective p110α inhibitor with IC50 of 32 nM.
Target: PI3K
Effect: Inhibitor
(CAS No. : 1166227-08-2)



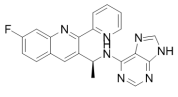
HY-10111
TG100-115
TG100-115 is a PI3K γ and -δ inhibitor (IC50 = 83 and 235 nM, respectively)
Target: PI3K
Effect: Inhibitor
(CAS No. : 677297-51-7)



HY-16526
XL-147
XL147(SAR245408; pilaralisib) is a potent, orally bioavailable inhibitor of the class I PI3K family of lipid kinases with IC50 values of 39 nM/383 nM/36 nM/23 nM for PI3Kα / β / δ / γ, respectively; less potent to PI3Kβ.
Target: PI3K
Effect: Inhibitor
(CAS No. : 934526-89-3)

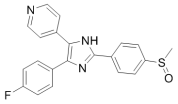


HY-16596
CNX-1351
CNX-1351 is a potent and isoform-selective targeted covalent inhibitor of the lipid kinase PI3Kα with IC50 of 6.8 nM; 20-400 times less potent against β, γ, and δ.
Target: PI3K
Effect: Inhibitor
(CAS No. : 1276105-89-5)

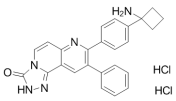


HY-12948
AMG319
AMG319 is a potent and selective PI3Kδ inhibitor with IC50 of 18 nM, also inhibits PI3Kγ with IC50 of 850 nM.
Target: PI3K
Effect: Inhibitor
(CAS No. : 1608125-21-8)

他にも多数の
PI3K 関連化合物
を取扱っています。



HY-10256
SB 203580
SB 203580 is a p38 MAPK inhibitor with IC50 of 0.3 -0.5 μM, also blocks PKB phosphorylation with IC50 of 3-5 μM.
Target: Akt
Effect: Inhibitor
(CAS No. : 152121-47-6)



HY-10358
MK 2206 (dihydrochloride)
MK 2206 is an orally active allosteric Akt inhibitor with IC50 of 5 nM/12 nM/65 nM for Akt1/2/3, respectively.
Target: Akt
Effect: Inhibitor
(CAS No. : 1032350-13-2)

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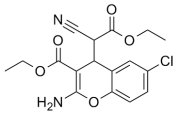
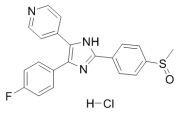
PI3K/Akt/mTOR経路 関連化合物
～PI3K/Akt/mTOR～

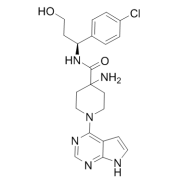
MCE MedChem Express



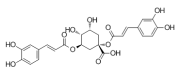
HY-18749
SC79
SC79 is a unique specific Akt activator that may be used to enhance Akt activity in various physiological and pathological conditions.
Target:Akt
Effect: Inhibitor
(CAS No. : 305834-79-1)



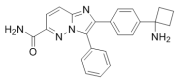
HY-10256A
SB 203580 hydrochloride
SB 203580 hydrochloride is a p38 MAPK inhibitor with IC50 of 0.3-0.5 μM, also blocks PKB phosphorylation with IC50 of 3-5 μM.
Target:Akt
Effect: Inhibitor
(CAS No. : 869185-85-3)



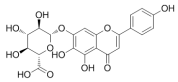
HY-15431
AZD5363
AZD5363 is a potent pan-AKT kinase inhibitor with IC50 of 3, 7 and 7 nM for Akt1,2 and 3, respectively.
Target:Akt
Effect: Inhibitor
(CAS No. : 1143532-39-1)



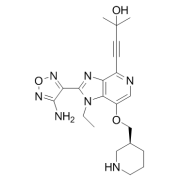
HY-N1412
1,3-Dicaffeoylquinic acid
1,3-Dicaffeoylquinic acid is a caffeoylquinic acid derivative, and activates PI3K/Akt.
Target:Akt
Effect: Activator
(CAS No. : 19870-46-3)



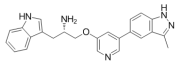
HY-100018
BAY1125976
BAY1125976 is a selective allosteric Akt1/2 inhibitor; inhibits Akt1 and Akt2 activity with IC50 values of 5.2 nM and 18 nM at 10 μM ATP, respectively.
Target:Akt
Effect: Inhibitor
(CAS No. : 1402608-02-9)



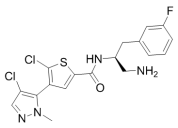
HY-N0751
Scutellarin
Scutellarin, an active flavone isolated from Scutellaria baicalensis, can down-regulates the STAT3/Girdin/Akt signaling in HCC cells, and inhibits RANKL-mediated MAPK and NF-κB signaling pathway in osteoclasts.
Target:Akt
Effect: Inhibitor
(CAS No. : 27740-01-8)



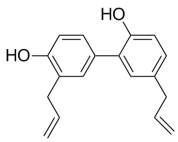
HY-10249
GSK-690693
GSK-690693 is a pan-Akt inhibitor targeting Akt1/2/3 with IC50 of 2/13/9 nM in cell-free assays, also sensitive to the AGC kinase family: PKA, PrkX and PKC isozymes.
Target:Akt
Effect: Inhibitor
(CAS No. : 937174-76-0)



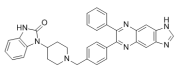
HY-10425
A-443654
A-443654 is a potent small-molecule inhibitor of all three Akt serine/threonine kinases, with Ki of 160 pM for Akt1.
Target:Akt
Effect: Inhibitor
(CAS No. : 552325-16-3)



HY-15727
Afuresertib
Afuresertib is an orally available, ATP-competitive, pan-AKT inhibitor with Ki of 0.08, 2 and 2.6 nM against AKT1, AKT2 and AKT3, respectively.
Target:Akt
Effect: Inhibitor
(CAS No. : 1047644-62-1)

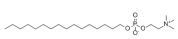


HY-N0003
Honokiol
Honokiol(NSC-293100), a hydroxylated biphenyl compound isolated from the Chinese herb Magnolia officinalis, has been reported to have anticancer activities in a variety of cancer cell lines.
Target:Akt
Effect: Inhibitor
(CAS No. : 35354-74-6)

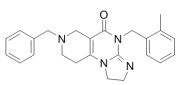


HY-10355
AKT inhibitor VIII
AKT inhibitor VIII is a cell-permeable quinoxaline compound that has been shown to potently, selectively, allosterically, and reversibly inhibit Akt1, Akt2, and Akt3 activity with IC50s of 58 nM, 210 nM, and 2.12 μM, respectively.
Target:Akt
Effect: Inhibitor
(CAS No. : 612847-09-3)

HY-50909
Perifosine
Perifosine is an oral Akt inhibitor.
Target:Akt
Effect: Inhibitor
(CAS No. : 157716-52-4)



HY-13685
Miltefosine
Miltefosine is a PI3K/Akt inhibitor, dramatically reduces HIV-1 production from long-living virus-infected macrophages.
Target:Akt
Effect: Inhibitor
(CAS No. : 58066-85-6)



HY-15615A
TIC10
TIC10 is a potent, orally active, and stable TRAIL inducer, also inhibits Akt and ERK activity.
Target:Akt
Effect: Inhibitor
(CAS No. : 1616632-77-9)

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PI3K/Akt/mTOR経路 関連化合物
～PI3K/Akt/mTOR～

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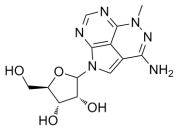
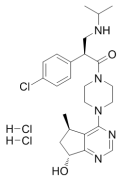
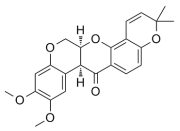


HY-15457
Triciribine
Triciribine is a DNA synthesis inhibitor, also inhibits Akt and HIV-1/2 with IC50 of 130 nM, and 0.02-0.46 μM, respectively.
Target:**Akt**
Effect: **Inhibitor**
(CAS No. : 35943-35-2)

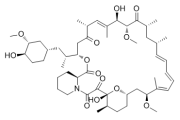


HY-15186A
GDC-0068 dihydrochloride
GDC-0068 dihydrochloride is a highly selective pan-Akt inhibitor targeting Akt1/2/3 with IC50 of 5/18/8 nM, 620-fold selectivity over PKA.
Target:**Akt**
Effect: **Inhibitor**
(CAS No. : 1396257-94-5)

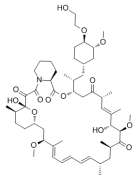


HY-13425
Deguelin
Deguelin, a naturally occurring rotenoid, is known to be an Akt inhibitor and to have an anti-tumor effect on several cancers; decrease levels of phosphorylated Akt.
Target:**Akt**
Effect: **Inhibitor**
(CAS No. : 522-17-8)

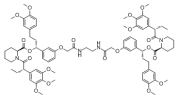
他にも多数の
Akt 関連化合物
を取扱っています。



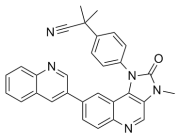
HY-10219
Rapamycin
Rapamycin is a specific mTOR inhibitor with IC50 of 0.1 nM.
Target:**mTOR**
Effect: **Inhibitor**
(CAS No. : 53123-88-9)



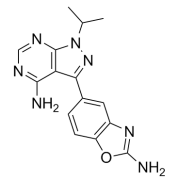
HY-10218
Everolimus
Everolimus is a targeted, highly specific agent with an IC50 for binding to isolated FKBP-12, or FKBP-12 complexed to mTOR of 5 to 6 nM, and no significant activity against other protein kinases.
Target:**mTOR**
Effect: **Inhibitor**
(CAS No. : 159351-69-6)



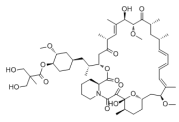
HY-16046
AP1903
AP1903 is a homodimer binding to FKBP; elicites potent and dosedependent apoptotic death of engineered cell line HT1080 in culture with an EC50 of 0.1 nM
Target:**mTOR**
Effect: **Chemical**
(CAS No. : 195514-63-7)



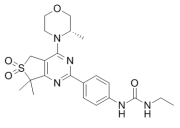
HY-50673
BEZ235
BEZ235 is a dual pan-class I PI3K and mTOR kinase inhibitor with IC50 of 4 nM/5 nM/7 nM/75 nM, and 6 nM for p110α/γ/δ/β and mTOR (p70S6K), respectively.
Target:**mTOR**
Effect: **Inhibitor**
(CAS No. : 915019-65-7)



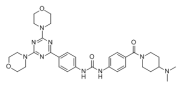
HY-13328
INK-128
INK-128 is a potent and selective mTOR inhibitor with IC50 of 1 nM, > 200-fold less potent to class I PI3K isoforms, superior in blocking mTORC1/2 and sensitive to pro-invasion genes.
Target:**mTOR**
Effect: **Inhibitor**
(CAS No. : 1224844-38-5)



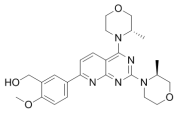
HY-50910
Temsirolimus
Temsirolimus (CCI-779) directly inhibits mTOR kinase activity with IC50 values of 1.76 ± 0.15 μM.
Target:**mTOR**
Effect: **Inhibitor**
(CAS No. : 162635-04-3)



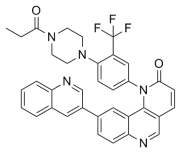
HY-100222
CZ415
CZ415 is a potent and highly selective mTOR inhibitor.
Target:**mTOR**
Effect: **Inhibitor**
(CAS No. : 1429639-50-8)



HY-10681
PKI-587
PKI-587(PF-05212384) is a highly potent dual PI3K/mTOR kinase inhibitor with IC50 of 0.4 nM, 5.4 nM and 1.6 nM for PI3Kα, PI3Kγ and mTOR, respectively.
Target:**mTOR**
Effect: **Inhibitor**
(CAS No. : 1197160-78-3)



HY-10422
AZD-8055
AZD-8055 is a novel ATP-competitive inhibitor of mTOR kinase activity, with an IC50 of 0.8 nM.
Target:**mTOR**
Effect: **Inhibitor**
(CAS No. : 1009298-09-2)



HY-13003
Torin 1
Torin 1 is a potent inhibitor of mTORC, with IC50 values of 2 nM and 10 nM against mTORC1 and mTORC2, respectively.
Target:**mTOR**
Effect: **Inhibitor**
(CAS No. : 1222998-36-8)

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PI3K/Akt/mTOR経路 関連化合物
～PI3K/Akt/mTOR～

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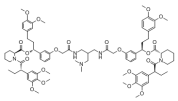
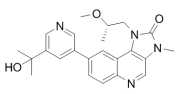
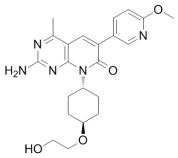


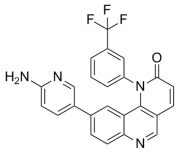
HY-13992
AP20187
AP20187 is a cell-permeable molecule used to dimerize FK506-binding protein (FKBP) fusion proteins and initiate biological signaling cascades and gene expression or disrupt protein-protein interactions.
Target:**mTOR**
Effect: **Modulator**
(CAS No. : 195514-80-8)



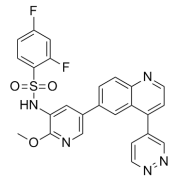
HY-12513
LY3023414
LY3023414 is an oral ATP competitive inhibitor of the class I PI3K isoforms, mTOR and DNA-PK, extracted from patent WO/2012097039A1, compound example 1, has an IC50 of 64.9 nM, 42.1 nM, 10.6 nM, 19.1 nM for Akt1(pT308), Akt1 (pS473), P70S6(pT389), S6RP
Target:**mTOR**
Effect: **Inhibitor**
(CAS No. : 1386874-06-1)



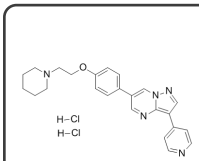
HY-15177
PF-04691502
PF-04691502 is a potent and selective inhibitor of PI3K and mTOR kinases with antitumor activity.
Target:**mTOR**
Effect: **Inhibitor**
(CAS No. : 1013101-36-4)



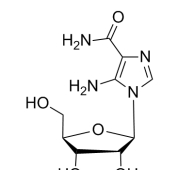
HY-13002
Torin 2
Torin 2 is a mTOR inhibitor with EC50 of 0.25 nM, and exhibits 800-fold selectivity over PI3K (EC50: 200 nM).
Target:**mTOR**
Effect: **Inhibitor**
(CAS No. : 1223001-51-1)



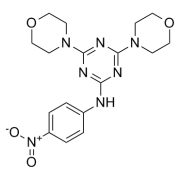
HY-10297
GSK2126458
GSK2126458 is a highly selective and potent inhibitor of PI3K with Ki of 0.019 nM/0.13 nM/0.024 nM/0.06 nM and 0.18 nM/0.3 nM for p110$\alpha/\beta/\delta/\gamma$, mTORC1/2 , respectively.
Target:**mTOR**
Effect: **Inhibitor**
(CAS No. : 1086062-66-9)



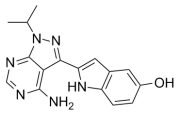
HY-13418
Dorsomorphin dihydrochloride
Dorsomorphin dihydrochloride is a potent and selective AMPK inhibitor, that is competitive with ATP, with Ki of 109±16 nM in the absence of AMP.
Target:**AMPK**
Effect: **Inhibitor**
(CAS No. : 1219168-18-9)



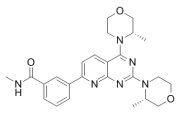
HY-13417
AICAR
AICAR is an activator of AMP-activated protein kinase (AMPK), down-regulates the insulin receptor expression in HepG2 cells.
Target:**AMPK**
Effect: **Activator**
(CAS No. : 2627-69-2)



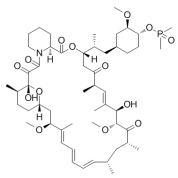
HY-B0795
MHY1485
MHY1485 is a mTOR activator; inhibits the autophagic process by inhibition of fusion between autophagosomes and lysosomes leading to the accumulation of LC3II protein and enlarged autophagosomes.
Target:**mTOR**
Effect: **Activator**
(CAS No. : 326914-06-1)



HY-10474
PP 242
PP 242 is the first selective and ATP competitive mTOR inhibitor with IC50 of 8 nM.
Target:**mTOR**
Effect: **Inhibitor**
(CAS No. : 1092351-67-1)

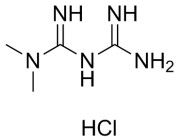


HY-15247
AZD2014
AZD2014 is a small-molecule ATP competitive mTOR inhibitor with IC50 of 2.81 nM.
Target:**mTOR**
Effect: **Inhibitor**
(CAS No. : 1009298-59-2)

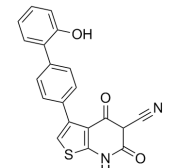


HY-50908
Deforolimus
Deforolimus (AP23573; MK-8669) is a potent and selective mTOR inhibitor; inhibits S6 phosphorylation with anIC50 of 0.2 nM in HT-1080 cells.
Target:**mTOR**
Effect: **Inhibitor**
(CAS No. : 572924-54-0)

他にも多数の
mTOR 関連化合物
を取扱っています。



HY-17471A
Metformin hydrochloride
Metformin (hydrochloride) is a first-line drug for the treatment of type 2 diabetes and there is increasing evidence of a potential efficacy of this agent as an anti-cancer drug.
Target:**AMPK**
Effect: **Activator**
(CAS No. : 1115-70-4)



HY-50662
A-769662
A-769662 is a potent, reversible AMPK activator with EC50 of 0.8 μM, and has little effect on GPPase/FBPase activity.
Target:**AMPK**
Effect: **Activator**
(CAS No. : 844499-71-4)

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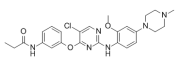
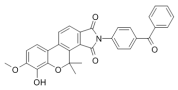
PI3K/Akt/mTOR経路 関連化合物
～PI3K/Akt/mTOR～

MCE MedChem Express

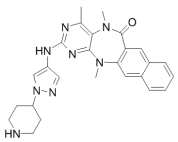


HY-15802
WZ4003
WZ4003 is the first potent and highly specific NUAK kinase inhibitor with IC50 of 20 nM/100 nM for NUAK1/NUAK2, without significant inhibition on other 139 kinases.
Target:**AMPK**
Effect: **Inhibitor**
(CAS No. : 1214265-58-3)

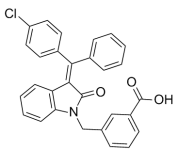
HY-N2341
Palmitelaidic Acid
Palmitelaidic acid is the trans isomer of palmitoleic acid.
Target:**AMPK**
Effect: **98.00%**
(CAS No. : 10030-73-6)



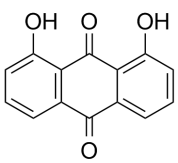
HY-12831
Ampkinone
Ampkinone is a small molecule activator of AMPK; stimulate functional activation of AMPK via the phosphorylation at Thr172 in cultured L6 muscle cells with an EC50 value of 4.3 μM, enhancing glucose uptake by 3.2-fold.
Target:**AMPK**
Effect: **Activator**
(CAS No. : 1233082-79-5)



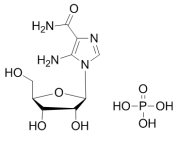
HY-12334
HTH-01-015
HTH-01-015 is a potent and selective inhibitor of NUAK1 with IC50 of 100 nM, does not significantly inhibit NUAK2 (IC50 of >10 μM).
Target:**AMPK**
Effect: **Inhibitor**
(CAS No. : 1613724-42-7)



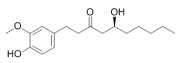
HY-15840
YLF-466D
YLF-466D is an allosteric AMPK activator.
Target:**AMPK**
Effect: **Inhibitor**
(CAS No. : 1273323-67-3)



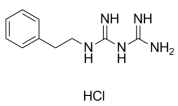
HY-B0923
Danthron
Danthron is a synthetic anthraquinone derivative, currently used as an antioxidant in synthetic lubricants, in the synthesis of antitumor agents, as a fungicide and as an intermediate for making dyes.
Target:**AMPK**
Effect: **Activator**
(CAS No. : 117-10-2)



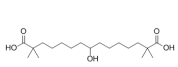
HY-13417A
AICAR phosphate
AICAR phosphate is an activator of AMP-activated protein kinase (AMPK), down-regulates the insulin receptor expression in HepG2 cells.
Target:**AMPK**
Effect: **Activator**
(CAS No. : 681006-28-0)



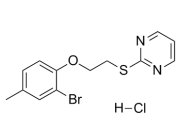
HY-14615
[6]-Gingerol
[6]-Gingerol is an active compound isolated from Ginger (Zingiber officinale Rosc), exhibits a variety of biological activities including anticancer, anti-inflammation, and anti-oxidation.
Target:**AMPK**
Effect: **Activator**
(CAS No. : 23513-14-6)



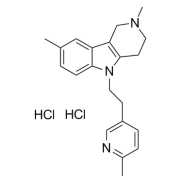
HY-16397A
Phenformin hydrochloride
Phenformin (hydrochloride) is a hydrochloride salt of phenformin that is an anti-diabetic drug from the biguanide class, can activate AMPK activity.
Target:**AMPK**
Effect: **Activator**
(CAS No. : 834-28-6)



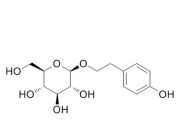
HY-12357
ETC-1002
ETC-1002 (ESP-55016) is an activator of hepatic AMP-activated protein kinase (AMPK); also an inhibitor of hepatic ATP-citrate lyase (ACL) with an IC50 of 29 μM.
Target:**AMPK**
Effect: **Activator**
(CAS No. : 738606-46-7)



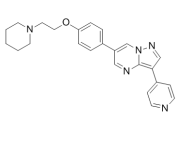
HY-16708A
ZLN024 hydrochloride
ZLN024 Hcl is a novel AMPK allosteric activator; activated α1β1γ1 and α2β1γ1 by around 2-2.5 fold with an EC50 of about 1-2 uM.
Target:**AMPK**
Effect: **Activator**



HY-14537
Latrepirdine dihydrochloride
Latrepirdine (dihydrochloride) is a potent activator of AMPK, also an anti-histamine, promote the removal of α-synuclein protein aggregates.
Target:**AMPK**
Effect: **Activator**
(CAS No. : 97657-92-6)



HY-N0109
Salidroside
Salidroside is a bioactive phenolic glycoside compound isolated from Rhodiola crenulata.
Target:**AMPK**
Effect: **Activator**
(CAS No. : 10338-51-9)



HY-13418A
Dorsomorphin
Dorsomorphin is a potent and selective AMPK inhibitor, that is competitive with ATP, with Ki=109 ±16 nM in the absence of AMP.
Target:**AMPK**
Effect: **Inhibitor**
(CAS No. : 866405-64-3)

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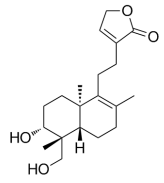
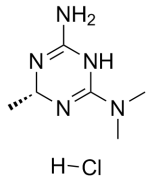
PI3K/Akt/mTOR経路 関連化合物
～PI3K/Akt/mTOR～

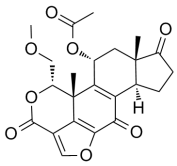
MCE MedChem Express



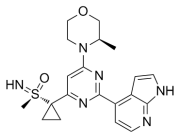
HY-N0857
Deoxyandrographolide
Deoxyandrographolide is a natural compound extracted from A. paniculata; potently inhibit the growth of liver (HepG2 and SK-Hep1) and bile duct (HuCCA-1 and RMCCA-1) cancer cells.
Target:**AMPK**
Effect: **Activator**
(CAS No. : 79233-15-1)



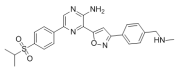
HY-14771A
Imeglimin hydrochloride
Imeglimin(EMD 387008) is the first in a new tetrahydrotriazine-containing class of oral antidiabetic agents, the glimins. It has been shown to act on the liver, muscle and pancreatic β-cells to uniquely target the key defects of type 2 diabetes.
Target:**AMPK**
Effect: **Activator**
(CAS No. : 775351-61-6)



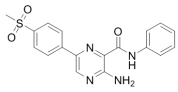
HY-10197
Wortmannin
Wortmannin is a multi-target inhibitor of PI3K and MLCK with IC50s of 3 nM and 170 nM, respectively.
Target:**ATM/ATR**
Effect: **Inhibitor**
(CAS No. : 19545-26-7)



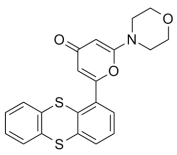
HY-19323
AZD6738
AZD6738 is a potent inhibitor of ATR kinase with an IC50 of 1 nM.
Target:**ATM/ATR**
Effect: **Inhibitor**
(CAS No. : 1352226-88-0)



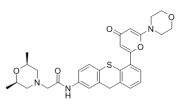
HY-13902
VE-822
VE-822 is an ATR inhibitor with Ki value of <0.2 nM, also inhibits ATM with Ki of 34 nM.
Target:**ATM/ATR**
Effect: **Inhibitor**
(CAS No. : 1232416-25-9)



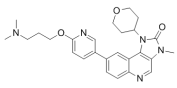
HY-14731
VE-821
VE-821 is a potent ATP-competitive inhibitor of ATR with Ki/IC50 of 13 nM/26 nM.
Target:**ATM/ATR**
Effect: **Inhibitor**
(CAS No. : 1232410-49-9)



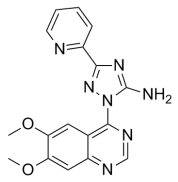
HY-12016
KU-55933
KU-55933 is a potent ATM inhibitor with an IC50 and Ki of 12.9 and 2.2 nM, respectively, and highly selective for ATM as compared to DNA-PK, PI3K/PI4K, ATR and mTOR.
Target:**ATM/ATR**
Effect: **Inhibitor**
(CAS No. : 587871-26-9)



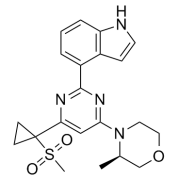
HY-12061
KU-60019
KU-60019 is an improved ATM kinase-specific inhibitor with IC50 of 6.3 nM.
Target:**ATM/ATR**
Effect: **Inhibitor**
(CAS No. : 925701-46-8)



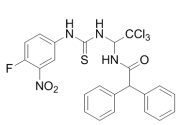
HY-100016
AZD0156
AZD0156 is an orally active, potent and selective ATM kinase inhibitor, used for cancer treatment.
Target:**ATM/ATR**
Effect: **Inhibitor**
(CAS No. : 1821428-35-6)



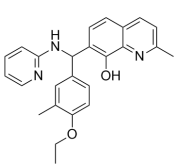
HY-11002
CP-466722
CP-466722 is rapidly reversible potential ATM kinase inhibitor.
Target:**ATM/ATR**
Effect: **Inhibitor**
(CAS No. : 1080622-86-1)



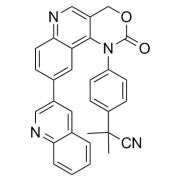
HY-15557
AZ20
AZ20 is a potent and selective inhibitor of ATR with an IC50 of 5 nM; 8-fold selectivity over mTOR (IC50=38 nM).
Target:**ATM/ATR**
Effect: **Inhibitor**
(CAS No. : 1233339-22-4)



HY-15520
CGK733
CGK 733 is a small molecule inhibitor reportedly targeting the kinase activities of ATM and ATR.
Target:**ATM/ATR**
Effect: **Inhibitor**
(CAS No. : 905973-89-9)



HY-16667
HLM006474
HLM006474 is a potent inhibitor of melanocytes proliferation and subsequent invasion in a three-dimensional tissue culture model system; interferes with E2F activity.
Target:**ATM/ATR**
Effect: **Inhibitor**
(CAS No. : 353519-63-8)



HY-15521
ETP-46464
ETP-46464 is a cell-permeable quinoline-containing heterotricyclic compound that acts as a potent inhibitor against mTOR, ATR, DNA-PK, PI 3-Kα, and ATM (IC50= 0.6, 14, 36, 170, and 545 nM, respectively).
Target:**ATM/ATR**
Effect: **Inhibitor**
(CAS No. : 1345675-02-6)

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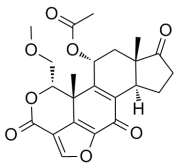
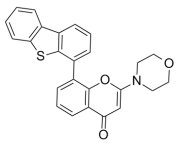
＜お問い合わせ＞ 重松貿易株式会社 化学品部 TEL：(06)6231-6146 Mail：info@shigematsu-bio.com

PI3K/Akt/mTOR経路 関連化合物
～PI3K/Akt/mTOR～

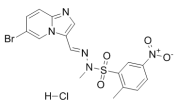
MCE MedChem Express



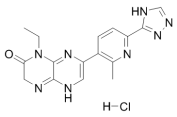
HY-10197
Wortmannin
Wortmannin is a multi-target inhibitor of PI3K and MLCK with IC50s of 3 nM and 170 nM, respectively.
Target:DNA-PK
Effect: Inhibitor
(CAS No. : 19545-26-7)



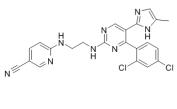
HY-11006
KU-57788
KU-57788 is a potent and selective inhibitor of DNA-PK, a modest inhibitor of BRD4 and BRDT, with IC50s of 13 nM, 1 μM and 3.5 μM, respectively, and also increases CRISPR/Cas9-mediated editing frequencies.
Target:DNA-PK
Effect: Inhibitor
(CAS No. : 503468-95-9)



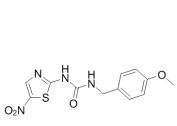
HY-13281
PIK-75
PIK-75 is a p110α inhibitor with IC50 of 5.8 nM (200-fold more potently than p110β), isoform-specific mutants at Ser773, and also potently inhibits DNA-PK with IC50 of 2 nM.
Target:DNA-PK
Effect: Inhibitor
(CAS No. : 372196-77-5)



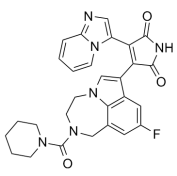
HY-16962A
CC-115 hydrochloride
CC-115 hydrochloride is a inhibitor of mTOR/DNA-PK (IC50= 21/ 13 nM).
Target:DNA-PK
Effect: Inhibitor
(CAS No. : 1300118-55-1)



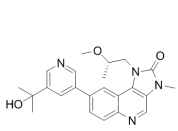
HY-10182
CHIR-99021
CHIR-99021 is a GSK-3α/β inhibitor with IC50 of 10 nM/6.7 nM; > 500-fold selectivity for GSK-3 versus its closest homologs CDC2 and ERK2, as well as other protein kinases.
Target:GSK-3
Effect: Inhibitor
(CAS No. : 252917-06-9)



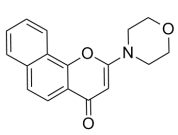
HY-10512
AR-A014418
AR-A014418 is a selective and effective GSK3β inhibitor with an IC50 value of 104 +/- 27 nM; no significant inhibition on 26 other kinases.
Target:GSK-3
Effect: Inhibitor
(CAS No. : 487021-52-3)



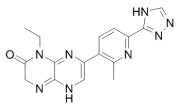
HY-16294
LY2090314
LY2090314 is a potent inhibitor of glycogen synthase kinase-3 (GSK-3) with IC50 values of 1.5 nM and 0.9 nM for GSK-3α and GSK-3β, respectively.
Target:GSK-3
Effect: Inhibitor
(CAS No. : 603288-22-8)



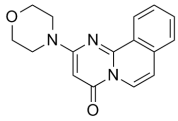
HY-12513
LY3023414
LY3023414 is an oral ATP competitive inhibitor of the class I PI3K isoforms, mTOR and DNA-PK, extracted from patent WO/2012097039A1, compound example 1, has an IC50 of 64.9 nM, 42.1 nM, 10.6 nM, 19.1 nM for Akt1(pT308), Akt1 (pS473), P70S6(pT389), S6RP
Target:DNA-PK
Effect: Inhibitor
(CAS No. : 1386874-06-1)



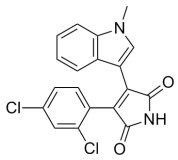
HY-15719
NU 7026
NU 7026 is a novel specific DNA-PK inhibitor with IC50 of 0.23±0.01 μM, also inhibits PI3K with IC50 of 13±3 μM.
Target:DNA-PK
Effect: Inhibitor
(CAS No. : 154447-35-5)



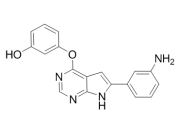
HY-16962
CC-115
CC-115 is a inhibitor of mTOR/DNA-PK (IC50= 21/ 13 nM).
Target:DNA-PK
Effect: Inhibitor
(CAS No. : 1228013-15-7)



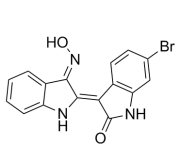
HY-19341
Compound 401
Compound 401 is a synthetic inhibitor of DNA-PK (IC50 = 0.28 μM) that also targets mTOR but not PI3K.
Target:DNA-PK
Effect: Inhibitor
(CAS No. : 168425-64-7)



HY-12012
SB 216763
SB 216763 is potent and selective glycogen synthase kinase-3 (GSK-3) inhibitor, with IC50 value of 34 nM.
Target:GSK-3
Effect: Inhibitor
(CAS No. : 280744-09-4)



HY-10590
TWS119
TWS119 is an inhibitor of glycogen synthase kinase -3β (IC50 = 30 nM).
Target:GSK-3
Effect: Inhibitor
(CAS No. : 601514-19-6)



HY-10580
BIO
BIO is a potent and selective inhibitor of GSK-3 and CDK1-cyclinB complex with IC50s of 5 nM/320 nM/83 nM for GSK-3α β /CDK1/CDK5, respectively.
Target:GSK-3
Effect: Inhibitor
(CAS No. : 667463-62-9)

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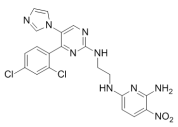
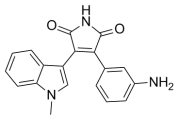
～PI3K/Akt/mTOR～

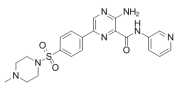
MCE MedChem Express



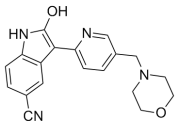
HY-13076
CHIR-98014
CHIR-98014 is a selective GSK3 inhibitor with IC50s of 0.65 nM and 0.58 nM for GSK-3α and GSK-3β; potentiate insulin activation of glucose transport and utilization in vitro and in vivo.
Target: GSK-3
Effect: Inhibitor
(CAS No. : 252935-94-7)



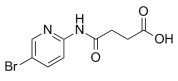
HY-100207
CP21R7
CP21R7 is a potent and selective GSK-3β inhibitor.
Target: GSK-3
Effect: Inhibitor
(CAS No. : 125314-13-8)



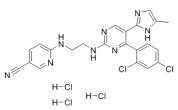
HY-15761
AZD2858
AZD2858 is a selective GSK-3 inhibitor with an IC50 of 68 nM, inhibits tau phosphorylation at the S396 site, activates Wnt signaling pathway.
Target: GSK-3
Effect: Inhibitor
(CAS No. : 486424-20-8)



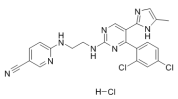
HY-13862
AZD1080
AZD1080 is a potent and selective GSK3 inhibitor.
Target: GSK-3
Effect: Inhibitor
(CAS No. : 612487-72-6)



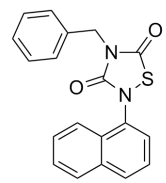
HY-12524
Bikinin
Bikinin(Abrasin) is a potent inhibitor of plant GSK-3/Shaggy-like kinase; activates BR signaling downstream of the BR receptor.
Target: GSK-3
Effect: Inhibitor
(CAS No. : 188011-69-0)



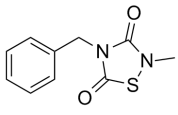
HY-10182B
CHIR-99021 trihydrochloride
CHIR-99021 trihydrochloride is a GSK-3α/β inhibitor with IC50 of 10 nM/6.7 nM; > 500-fold selectivity for GSK-3 versus its closest homologs CDC2 and ERK2, as well as other protein kinases.
Target: GSK-3
Effect: Inhibitor
(CAS No. : 1782235-14-6)



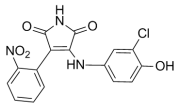
HY-10182A
CHIR-99021 monohydrochloride
CHIR-99021 monohydrochloride is a GSK-3α/β inhibitor with IC50 of 10 nM/6.7 nM; > 500-fold selectivity for GSK-3 versus its closest homologs CDC2 and ERK2, as well as other protein kinases.
Target: GSK-3
Effect: Inhibitor
(CAS No. : 1797989-42-4)



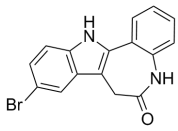
HY-14872
Tideglusib
Tideglusib is an irreversible GSK-3 inhibitor with IC50 of 5 nM and 60 nM for GSK-3β WT (1 h preincubation) and GSK-3β C199A (1 h preincubation), respectively.
Target: GSK-3
Effect: Inhibitor
(CAS No. : 865854-05-3)



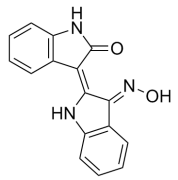
HY-11012
TDZD-8
TDZD-8(NP 01139) is a selective inhibitor of GSK-3, a thiadiazolidinone derivative, non-ATP competitive inhibitor of GSK-3β (IC50 = 2 μM); does not inhibit Cdk-1/cyclin B, CK-II, PKA or PKC at >100 μM.
Target: GSK-3
Effect: Inhibitor
(CAS No. : 327036-89-5)



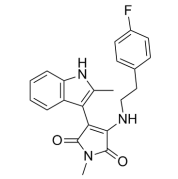
HY-15438
SB 415286
SB 415286 is a potent and selective cell-permeable, ATP-competitive inhibitor of GSK3α with an IC50 value of 78 nM (similar potency for GSK3β) and a Ki value of 31 nM.
Target: GSK-3
Effect: Inhibitor
(CAS No. : 264218-23-7)



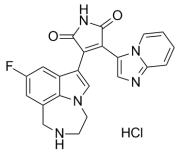
HY-12302
Kenpaullone
Kenpaullone is an ATP-competitive inhibitor of several CDKs as well as GSK-3β, with an IC50 value of 0.23 μM for GSK-3β and 0.4, 0.68, 0.85, and 0.47 μM for CDK1/cyclin B, CDK2/cyclin A, CDK5/p25, and lymphocyte kinase., respectively.
Target: GSK-3
Effect: Inhibitor
(CAS No. : 142273-20-9)



HY-19807
Indirubin-3'-monoxime
Indirubin-3'-monoxime is a powerful inhibitor of GSK-3β with IC50 of 22nM, also inhibits CDK1/5 (IC50 = 180/100 nM).
Target: GSK-3
Effect: Inhibitor
(CAS No. : 160807-49-8)



HY-12292
IM-12
IM-12 is a potent GSK-3β inhibitor with IC50 of 53 nM; shows a significant activity in several biological tests which was comparable or even outplayed the effects of the known SB-216763.
Target: GSK-3
Effect: Inhibitor
(CAS No. : 1129669-05-1)



HY-13973A
GSK-3 inhibitor 1
GSK-3 inhibitor 1 is a potent GSK-3 inhibitor.
Target: GSK-3
Effect: Inhibitor
(CAS No. : 603272-51-1)

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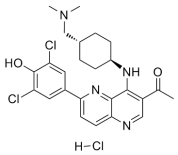
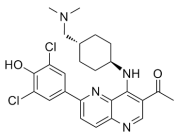
PI3K/Akt/mTOR経路 関連化合物
～PI3K/Akt/mTOR～

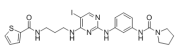
MCE MedChem Express



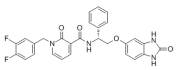
HY-15512A
OTSSP167 hydrochloride
OTSSP167 Hcl is a highly potent MELK inhibitor (IC50 = 0.41 nM) and inhibited the phosphorylation of PSMA1 (proteasome subunit alpha type 1) and DBNL (drebrin-like).
Target: **MELK**
Effect: **Inhibitor**
(CAS No. : 1431698-10-0)



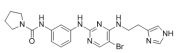
HY-15512
OTSSP167
OTSSP167 is a highly potent MELK inhibitor (IC50 = 0.41 nM) and inhibited the phosphorylation of PSMA1 (proteasome subunit alpha type 1) and DBNL (drebrin-like).
Target: **MELK**
Effect: **Inhibitor**
(CAS No. : 1431697-89-0)



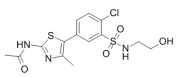
HY-10514
BX795
BX795 is a potent and selective dual inhibitor of TBK1/PDK1 with IC50s of 2 nM/6 nM respectively; > 50 fold selectivity over PKA, PKC, c-Kit, GSK3β etc.
Target: **PDK-1**
Effect: **Inhibitor**
(CAS No. : 702675-74-9)



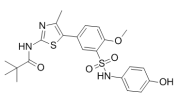
HY-14440
PDK1 inhibitor
PDK1 inhibitor is a potent and selective inhibitor of PDK1 with potential as anticancer agent.
Target: **PDK-1**
Effect: **Inhibitor**
(CAS No. : 1001409-50-2)



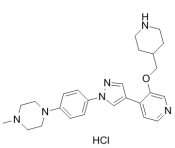
HY-11005
BX-912
BX-912 is a selective inhibitor of 3-Phosphoinositide-dependent Kinase-1 (PDK1) with IC50 of 12 nM; >10 fold selectivity over PKA, PKC, C-Kit, EGFR etc.
Target: **PDK-1**
Effect: **Inhibitor**
(CAS No. : 702674-56-4)



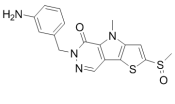
HY-12046
PIK-93
PIK-93 is the first potent, synthetic PI4K (PI4KIIIβ) inhibitor with IC50 of 19 nM; shown to inhibit PI3Kα with IC50 of 39 nM.
Target: **PI4K**
Effect: **Inhibitor**
(CAS No. : 593960-11-3)



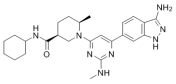
HY-100198
PI4KIIIbeta-IN-10
PI4KIIIbeta-IN-10 is the most potent PI4KIIIβ inhibitor currently reported, with very minor off-target inhibition of PI4KIIIβ related lipid kinases (IC50 = 3.6 nM).
Target: **PI4K**
Effect: **Inhibitor**
(CAS No. : 1881233-39-1)



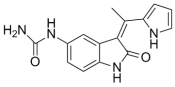
HY-100368A
MELK-8a hydrochloride
MELK-8a hydrochloride is a novel maternal embryonic leucine zipper kinase (MELK) inhibitor with an IC50 of 2 nM.
Target: **MELK**
Effect: **Inhibitor**



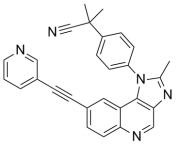
HY-18657
TEPP-46
TEPP-46 is a potent and selective activator of recombinant pyruvate kinase M2 (PKM2) with half-maximum activating concentration (AC50 value) of 92 nM, and has little or no effect on PKM1, PKL and PKR.
Target: **PDK-1**
Effect: **Activator**
(CAS No. : 1221186-53-3)



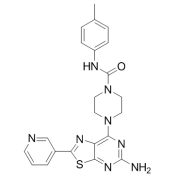
HY-14981
GSK2334470
GSK2334470 is a highly specific and potent inhibitor of PDK1 with an IC50 of 10 nM.
Target: **PDK-1**
Effect: **Inhibitor**
(CAS No. : 1227911-45-6)



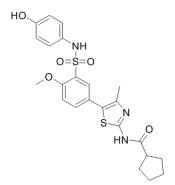
HY-13842
BX517
BX517 is a potent and selective inhibitor of PDK1 with IC50 of 6 nM.
Target: **PDK-1**
Effect: **Inhibitor**
(CAS No. : 850717-64-5)



HY-13333
NVP-BAG956
NVP-BAG956(BAG 956) is a potent, ATP-competitive and selective dual PI3K and PDK1 inhibitor in vitro and in vivo,with IC50 values to be 56, 444, 34, 117 and 240 nM for PI3K p110 alpha, beta, delta and gamma and PDK1 kinases, respectively.
Target: **PDK-1**
Effect: **Inhibitor**
(CAS No. : 853910-02-8)



HY-15679
PI4KIII beta inhibitor 3
PI4KIII beta inhibitor 3 is a novel and high effective PI4KIII beta inhibitor with IC50 of 5.7 nM.
Target: **PI4K**
Effect: **Inhibitor**
(CAS No. : 1245319-54-3)



HY-19798
PI4KIIIbeta-IN-9
PI4KIIIβ-IN-9 is a potent PI4KIIIβ inhibitor (IC50 of 7 nM) and is >140-fold selective over PI3Kγ and >20-fold selective over PI3Kδ, and shows no inhibition of vps34 at concentrations up to 20 μM.
Target: **PI4K**
Effect: **Inhibitor**
(CAS No. : 1429624-84-9)

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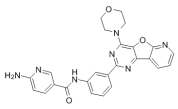
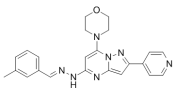
PI3K/Akt/mTOR経路 関連化合物
～PI3K/Akt/mTOR～

HY-13228
YM-201636
YM-201636 is a potent and selective PIKfyve inhibitor with an IC50 of 33 nM.



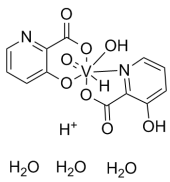
Target:**PIKfyve**
Effect: **Inhibitor**
(CAS No. : 371942-69-7)

HY-15982
APY0201
APY0201 is a potent, highly selective, ATP-competitive PIKfyve inhibitor (IC50=5.2 nM) that interrupts the conversion of phosphatidylinositol 3-phosphate (PtdIns3P) to PtdIns(3,5)P2; a unique small molecular IL-12/23 production inhibitor.



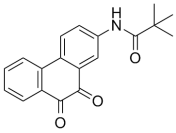
Target:**PIKfyve**
Effect: **Inhibitor**
(CAS No. : 1232221-74-7)

HY-13074
VO-Ohpic trihydrate
VO-Ohpic trihydrate is an extremely potent inhibitor of PTEN with IC50 of 46±10 nM.



Target:**PTEN**
Effect: **Inhibitor**
(CAS No. : 476310-60-8)

HY-15842
SF1670
SF1670 is a potent and specific phosphatase and tensin homolog deleted on chromosome 10 (PTEN) inhibitor.



Target:**PTEN**
Effect: **Inhibitor**
(CAS No. : 345630-40-2)

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