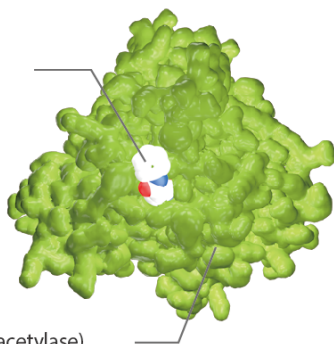


# Akt

PKB;Protein kinase B

HDAC Inhibitor:  
Vorinostat (SAHA)



HDAC (Histone deacetylase)

Akt/PKB (Protein kinase B), a serine/threonine protein kinase with antiapoptotic activity, is one of the major downstream targets of PtdIns(3,4,5)P3 signaling pathway. It contains a pleckstrin homology domain (PH domain) that specifically binds PtdIns(3,4,5)P3 on the plasma membrane. Akt phosphorylation and activation are directly determined by the level of PtdIns(3,4,5)P3 on the plasma membrane, which is regulated by PI3K.

Akt consists of three isoforms: PKB $\alpha$ /Akt1, PKB $\beta$ /Akt2 and PKB $\gamma$ /Akt3. Akt isoforms have an N-terminal PH (pleckstrin homology) domain and a kinase domain, which are separated by a 39-amino-acid hinge region. Catalytically active Akt regulates the function of numerous

substrates involved in cell survival, growth, proliferation, metabolism and protein synthesis.

Akt is a crucial mediator of cell survival and its deactivation is implicated in various stress-induced pathological cell death and degenerative diseases.

## Akt Inhibitors & Modulators

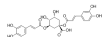
### 1,3-Dicaffeoylquinic acid

(1,3-O-Dicaffeoylquinic acid; 1,5-Dicaffeoylquinic acid)

Cat. No.: HY-N1412

**Bioactivity:** 1,3-Dicaffeoylquinic acid is a caffeoylquinic acid derivative that exhibits antioxidant activity and radical scavenging activity.

**Purity:** 99.82%  
**Clinical Data:** No Development Reported  
**Size:** 10mM x 1mL in DMSO,  
 5 mg, 10 mg, 25 mg

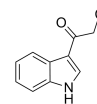


### 3CAI

Cat. No.: HY-16666

**Bioactivity:** 3CAI is a potent and specific **AKT1** and **AKT2** inhibitor.

**Purity:** >98%  
**Clinical Data:** No Development Reported  
**Size:** 5 mg, 10 mg, 50 mg

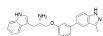


### A-443654

Cat. No.: HY-10425

**Bioactivity:** A-443654 is a potent **Akt1/2/3** inhibitor, with a  $K_i$  of 160 pM for Akt1.

**Purity:** 99.87%  
**Clinical Data:** No Development Reported  
**Size:** 10mM x 1mL in DMSO,  
 1 mg, 5 mg, 10 mg



### A-674563

Cat. No.: HY-13254

**Bioactivity:** A-674563 is a potent and selective **Akt1** inhibitor with a  $K_i$  of 11 nM.

**Purity:** 99.87%  
**Clinical Data:** No Development Reported  
**Size:** 5 mg, 10 mg, 50 mg, 100 mg

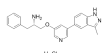


### A-674563 hydrochloride

Cat. No.: HY-13254A

**Bioactivity:** A-674563 hydrochloride is a potent and selective **Akt1** inhibitor with  $K_i$  of 11 nM.

**Purity:** 99.78%  
**Clinical Data:** No Development Reported  
**Size:** 10mM x 1mL in DMSO,  
 5 mg, 10 mg, 50 mg, 100 mg



### Afuresertib

(GSK2110183C)

Cat. No.: HY-15727

**Bioactivity:** Afuresertib is a potent and ATP-competitive specific **Akt** inhibitor.

**Purity:** 98.95%  
**Clinical Data:** Phase 1  
**Size:** 10mM x 1mL in DMSO,  
 5 mg, 10 mg, 50 mg, 100 mg



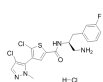
### Afuresertib hydrochloride

(GSK 2110183B)

Cat. No.: HY-15727A

**Bioactivity:** Afuresertib hydrochloride is a potent and ATP-competitive specific **Akt** inhibitor.

**Purity:** 96.98%  
**Clinical Data:** Phase 2  
**Size:** 10mM x 1mL in DMSO,  
 5 mg, 10 mg, 50 mg, 100 mg



### AKT inhibitor VIII

(AKTi-1/2)

Cat. No.: HY-10355

**Bioactivity:** AKT inhibitor VIII (AKTi-1/2) is a cell-permeable quinoxaline compound that has been shown to potently, selectively, allosterically, and reversibly inhibit **Akt1**, **Akt2**, and **Akt3** activity with  $IC_{50}$ s of 58 nM, 210 nM, and 2119 nM, respectively.

**Purity:** 98.02%  
**Clinical Data:** No Development Reported  
**Size:** 10mM x 1mL in DMSO,  
 5 mg, 10 mg, 50 mg, 100 mg

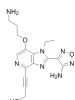


### AKT Kinase Inhibitor

Cat. No.: HY-10249A

**Bioactivity:** AKT Kinase Inhibitor is an **Akt** kinase inhibitor.

**Purity:** 98.37%  
**Clinical Data:** No Development Reported  
**Size:** 10mM x 1mL in DMSO,  
 5 mg, 10 mg




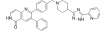



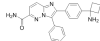
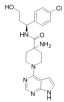
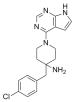
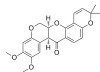
### AKT-IN-1

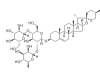
Cat. No.: HY-18296

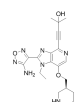
**Bioactivity:** AKT-IN-1 is an allosteric **AKT** inhibitor with an  $IC_{50}$  of 1.042  $\mu$ M.

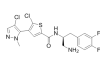
**Purity:** 99.22%  
**Clinical Data:** No Development Reported  
**Size:** 10mM x 1mL in DMSO,  
 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

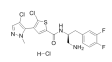


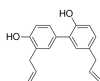
<p><b>AKT-IN-2</b></p> <p style="text-align: right;">Cat. No.: HY-112148</p>	<p><b>Akt1 and Akt2-IN-1</b></p> <p style="text-align: right;">Cat. No.: HY-50862</p>
<p><b>Bioactivity:</b> AKT-IN-2 is a potent, selective and orally bioavailable <b>AKT</b> inhibitor with an <b>IC<sub>50</sub></b> of 5 nM for <b>AKT1</b> [1].</p> <p><b>Purity:</b> &gt;98%</p> <p><b>Clinical Data:</b> No Development Reported</p> <p><b>Size:</b></p> 	<p><b>Bioactivity:</b> Akt1 and Akt2-IN-1 is an allosteric inhibitor of <b>Akt1</b> (<b>IC<sub>50</sub></b>=3.5 nM) and <b>Akt2</b> (<b>IC<sub>50</sub></b>=42 nM), with potent and balanced activity.</p> <p><b>Purity:</b> 99.71%</p> <p><b>Clinical Data:</b> No Development Reported</p> <p><b>Size:</b> 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg</p> 
<p><b>AT13148</b></p> <p style="text-align: right;">Cat. No.: HY-16071</p>	<p><b>AT7867</b></p> <p style="text-align: right;">Cat. No.: HY-12059</p>
<p><b>Bioactivity:</b> AT13148 is an orally active and ATP-competitive, multi- <b>AGC kinase</b> inhibitor with <b>IC<sub>50</sub></b>s of 38 nM/402 nM/50 nM, 8 nM, 3 nM, and 6 nM/4 nM for Akt1/2/3, p70S6K, PKA, and ROCK1/II, respectively.</p> <p><b>Purity:</b> 99.46%</p> <p><b>Clinical Data:</b> Phase 1</p> <p><b>Size:</b> 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg</p> 	<p><b>Bioactivity:</b> AT7867 is a potent ATP-competitive inhibitor of <b>Akt1/ Akt2/ Akt3</b> and <b>p70S6K/ PKA</b> with <b>IC<sub>50</sub></b>s of 32 nM/17 nM/47 nM and 85 nM/20 nM, respectively.</p> <p><b>Purity:</b> 98.68%</p> <p><b>Clinical Data:</b> No Development Reported</p> <p><b>Size:</b> 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg</p> 
<p><b>AT7867 dihydrochloride</b></p> <p style="text-align: right;">Cat. No.: HY-12059A</p>	<p><b>BAY1125976</b></p> <p style="text-align: right;">Cat. No.: HY-100018</p>
<p><b>Bioactivity:</b> AT7867 dihydrochloride is a potent ATP-competitive inhibitor of <b>Akt1/ Akt2/ Akt3</b> and <b>p70S6K/ PKA</b> with <b>IC<sub>50</sub></b>s of 32 nM/17 nM/47 nM and 85 nM/20 nM, respectively.</p> <p><b>Purity:</b> 99.77%</p> <p><b>Clinical Data:</b> No Development Reported</p> <p><b>Size:</b> 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg</p> 	<p><b>Bioactivity:</b> BAY1125976 is a selective allosteric <b>Akt1/Akt2</b> inhibitor; inhibits Akt1 and Akt2 activity with <b>IC<sub>50</sub></b> values of 5.2 nM and 18 nM at 10 μM ATP, respectively.</p> <p><b>Purity:</b> 99.63%</p> <p><b>Clinical Data:</b> Phase 1</p> <p><b>Size:</b> 10mM x 1mL in DMSO, 2 mg, 5 mg, 10 mg, 50 mg, 100 mg</p> 
<p><b>Capivasertib</b> (AZD5363)</p> <p style="text-align: right;">Cat. No.: HY-15431</p>	<p><b>CCT128930</b></p> <p style="text-align: right;">Cat. No.: HY-13260</p>
<p><b>Bioactivity:</b> Capivasertib (AZD5363) is a potent <b>pan-AKT</b> kinase inhibitor with <b>IC<sub>50</sub></b> of 3, 7 and 7 nM for <b>Akt1, Akt2</b> and <b>Akt3</b>, respectively.</p> <p><b>Purity:</b> 99.71%</p> <p><b>Clinical Data:</b> Phase 2</p> <p><b>Size:</b> 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg</p> 	<p><b>Bioactivity:</b> CCT128930 is a potent and selective inhibitor of <b>Akt2</b> (<b>IC<sub>50</sub></b> 6 nM) with 28-fold selectivity over the closely related PKA kinase (<b>IC<sub>50</sub></b> 168 nM), as well as 20-fold selectivity over p70S6K (<b>IC<sub>50</sub></b> 120 nM).</p> <p><b>Purity:</b> 99.15%</p> <p><b>Clinical Data:</b> No Development Reported</p> <p><b>Size:</b> 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg</p> 
<p><b>Crosstide</b></p> <p style="text-align: right;">Cat. No.: HY-P0315</p>	<p><b>Deguelin</b> (-)-Deguelin; (-)-cis-Deguelin</p> <p style="text-align: right;">Cat. No.: HY-13425</p>
<p><b>Bioactivity:</b> Crosstide is a peptide analog of glycogen synthase kinase α/β fusion protein sequence which is a substrate for <b>Akt</b>.</p> <p><b>Purity:</b> &gt;98%</p> <p><b>Clinical Data:</b> No Development Reported</p> <p><b>Size:</b> 1 mg, 5 mg</p> <p style="text-align: right;">GRPRTSSFAEG</p>	<p><b>Bioactivity:</b> Deguelin, a naturally occurring rotenoid, is a potent <b>PI3K/AKT</b> inhibitor.</p> <p><b>Purity:</b> 99.56%</p> <p><b>Clinical Data:</b> No Development Reported</p> <p><b>Size:</b> 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg</p> 

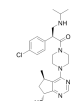
<b>Deltonin</b>	Cat. No.: HY-N2283
<b>Bioactivity:</b> Deltonin, a steroidal saponin, isolated from <i>Dioscorea zingiberensis</i> Wright, with antitumor activity; Deltonin inhibits <b>ERK1/2</b> and <b>AKT</b> activation.	
<b>Purity:</b> 99.0%	
<b>Clinical Data:</b> No Development Reported	
<b>Size:</b> 5 mg	

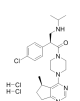
<b>GSK-690693</b>	Cat. No.: HY-10249
<b>Bioactivity:</b> GSK-690693 is an ATP-competitive <b>pan-Akt</b> inhibitor with <b>IC<sub>50</sub>s</b> of 2, 13, 9 nM for Akt1, Akt2 and Akt3, respectively.	
<b>Purity:</b> 97.52%	
<b>Clinical Data:</b> Phase 1	
<b>Size:</b> 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg	

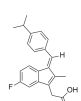
<b>GSK2110183</b>	Cat. No.: HY-15966
<b>Bioactivity:</b> GSK2110183 is an orally bioavailable, selective, ATP-competitive and potent <b>pan-Akt</b> kinase inhibitor with <b>K<sub>i</sub></b> of 0.08/2/2.6 nM for <b>Akt1/ Akt2/ Akt3</b> respectively.	
<b>Purity:</b> >98%	
<b>Clinical Data:</b> Phase 2	
<b>Size:</b> 5 mg, 10 mg, 50 mg, 100 mg	

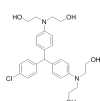
<b>GSK2110183 hydrochloride</b>	Cat. No.: HY-15966A
<b>Bioactivity:</b> GSK2110183 hydrochloride is an orally bioavailable, selective, ATP-competitive and potent <b>pan-Akt</b> kinase inhibitor with <b>K<sub>i</sub></b> of 0.08/2/2.6 nM for <b>Akt1/ Akt2/ Akt3</b> respectively.	
<b>Purity:</b> 99.49%	
<b>Clinical Data:</b> Phase 2	
<b>Size:</b> 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg	

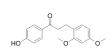
<b>Honokiol</b> (NSC 293100)	Cat. No.: HY-N0003
<b>Bioactivity:</b> Honokiol is a bioactive, biphenolic phytochemical that possesses potent antioxidative, anti-inflammatory, antiangiogenic, and anticancer activities by targeting a variety of signaling molecules. It inhibits the activation of <b>Akt</b> and enhances the phosphorylation of <b>ERK1/ERK2</b> .	
<b>Purity:</b> 99.90%	
<b>Clinical Data:</b> No Development Reported	
<b>Size:</b> 10mM x 1mL in DMSO, 50 mg, 100 mg, 200 mg	


<b>Ipatasertib</b> (GDC-0068; RG7440)	Cat. No.: HY-15186
<b>Bioactivity:</b> Ipatasertib (GDC-0068) is a highly selective and ATP-competitive <b>pan-Akt</b> inhibitor with <b>IC<sub>50</sub>s</b> of 5, 18 and 8 nM for <b>Akt1, Akt2</b> and <b>Akt3</b> , respectively.	
<b>Purity:</b> 98.89%	
<b>Clinical Data:</b> Phase 3	
<b>Size:</b> 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg	

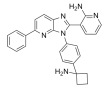
<b>Ipatasertib dihydrochloride</b> (GDC-0068 (dihydrochloride); RG-7440 dihydrochloride)	Cat. No.: HY-15186A
<b>Bioactivity:</b> Ipatasertib dihydrochloride (GDC-0068 dihydrochloride) is a highly selective pan- <b>Akt</b> inhibitor targeting <b>Akt1/ 2/ 3</b> with <b>IC<sub>50</sub></b> of 5/18/8 nM, 620-fold selectivity over PKA.	
<b>Purity:</b> 99.59%	
<b>Clinical Data:</b> Phase 3	
<b>Size:</b> 10mM x 1mL in Water, 5 mg, 10 mg, 50 mg, 100 mg	


<b>K-80003</b> (TX-803)	Cat. No.: HY-U00458
<b>Bioactivity:</b> K-80003 is a potent inhibitor of tRKRα-dependent <b>Akt</b> activation and cancer cell growth.	
<b>Purity:</b> >98%	
<b>Clinical Data:</b> No Development Reported	
<b>Size:</b> 5 mg, 10 mg, 25 mg	


<b>LM22B-10</b>	Cat. No.: HY-104047
<b>Bioactivity:</b> LM22B-10 is an activator of <b>TrkB/TrkC</b> neurotrophin receptor, and can induce <b>TrkB, TrkC, AKT</b> and <b>ERK</b> activation in vitro and in vivo.	
<b>Purity:</b> 98.81%	
<b>Clinical Data:</b> No Development Reported	
<b>Size:</b> 10mM x 1mL in DMSO, 2 mg, 5 mg, 10 mg, 50 mg, 100 mg	


<b>Loureirin A</b>	Cat. No.: HY-N1505
<b>Bioactivity:</b> Loureirin A is a flavonoid extracted from Dragon's Blood, can inhibit <b>Akt</b> phosphorylation, and has antiplatelet activity.	
<b>Purity:</b> 99.76%	
<b>Clinical Data:</b> No Development Reported	
<b>Size:</b> 10mM x 1mL in DMSO, 5 mg	

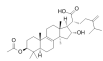
<b>Miltefosine</b> (HePC; Hexadecyl phosphocholine)	Cat. No.: HY-13685
<b>Bioactivity:</b> Miltefosine is a broad spectrum antimicrobial, anti-leishmanial, phospholipid agent acting by inhibiting the <b>PI3K/Akt</b> activity.	
<b>Purity:</b> 98.0%	
<b>Clinical Data:</b> Launched	
<b>Size:</b> 10mM x 1mL in DMSO, 100 mg, 500 mg, 1 g	


<b>Miransertib</b> (ARQ-092)	Cat. No.: HY-19719
<b>Bioactivity:</b> Miransertib (ARQ-092) is an orally bioavailable, selective, and potent allosteric <b>Akt</b> inhibitor with <b>IC<sub>50</sub></b> s of 2.7 nM, 14 nM and 8.1 nM for <b>Akt1</b> , <b>Akt2</b> , <b>Akt3</b> , respectively.	
<b>Purity:</b> 99.77%	
<b>Clinical Data:</b> Phase 2	
<b>Size:</b> 10mM x 1mL in DMSO, 1 mg, 5 mg, 10 mg, 50 mg, 100 mg	

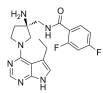
<b>MK 2206 dihydrochloride</b>	Cat. No.: HY-10358
<b>Bioactivity:</b> MK 2206 is an orally active allosteric <b>Akt</b> inhibitor with <b>IC<sub>50</sub></b> s of 5, 12 and 65 nM for <b>Akt1</b> , <b>Akt2</b> and <b>Akt3</b> , respectively.	
<b>Purity:</b> 99.47%	
<b>Clinical Data:</b> Phase 2	
<b>Size:</b> 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg, 200 mg	


<b>N-Oleoyl glycine</b>	Cat. No.: HY-113204
<b>Bioactivity:</b> N-Oleoyl glycine is a lipoamino acid, which stimulates adipogenesis associated with activation of <b>CB1 receptor</b> and <b>Akt</b> signaling pathway in 3T3-L1 adipocyte.	
<b>Purity:</b> >98%	
<b>Clinical Data:</b>	
<b>Size:</b> 10 mg	

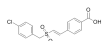
<b>Oridonin</b> (NSC-250682; Isodonol)	Cat. No.: HY-N0004
<b>Bioactivity:</b> Oridonin (NSC-250682), a diterpenoid isolated from <i>Rabdosia rubescens</i> , acts as an inhibitor of <b>AKT</b> , with <b>IC<sub>50</sub></b> s of 8.4 and 8.9 μM for <b>AKT1</b> and <b>AKT2</b> ; Oridonin possesses anti-tumor, anti-bacterial and anti-inflammatory effects.	
<b>Purity:</b> 99.85%	
<b>Clinical Data:</b> No Development Reported	
<b>Size:</b> 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg, 200 mg, 500 mg	

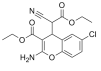
<b>Pachymic acid</b> (3-O-Acetyltumulolic acid)	Cat. No.: HY-N0371
<b>Bioactivity:</b> Pachymic acid is a lanostane-type triterpenoid from <i>P. cocos</i> . Pachymic acid inhibits <b>Akt</b> and <b>ERK</b> signaling pathways.	
<b>Purity:</b> 99.20%	
<b>Clinical Data:</b> No Development Reported	
<b>Size:</b> 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg	

<b>Perifosine</b> (KRX-0401; NSC 639966; D21266)	Cat. No.: HY-50909
<b>Bioactivity:</b> Perifosine is an oral <b>Akt</b> inhibitor which inhibits proliferation of different tumor cell lines with <b>IC<sub>50</sub></b> s of 0.6-8.9 μM.	
<b>Purity:</b> 98.0%	
<b>Clinical Data:</b> Phase 3	
<b>Size:</b> 10mM x 1mL in Water, 5 mg, 10 mg, 50 mg, 100 mg	

<b>PF-AKT400</b> (AKT protein kinase inhibitor)	Cat. No.: HY-10721
<b>Bioactivity:</b> PF-AKT400 is a broadly selective, potent, ATP-competitive <b>Akt</b> inhibitor, displays 900-fold greater selectivity for <b>PKBα</b> ( <b>IC<sub>50</sub></b> =0.5 nM) than <b>PKA</b> ( <b>IC<sub>50</sub></b> =450 nM).	
<b>Purity:</b> 95.75%	
<b>Clinical Data:</b> No Development Reported	
<b>Size:</b> 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg	

<b>PHT-427</b>	Cat. No.: HY-12063
<b>Bioactivity:</b> PHT-247 is an inhibitor of the pleckstrin homology (PH) domain of <b>Akt</b> , and it is also an inhibitor of <b>PDPK1</b> with <b>K<sub>i</sub></b> s of 2.7 μM and 5.2 μM and for <b>Akt</b> and <b>PDPK1</b> , respectively.	
<b>Purity:</b> 98.24%	
<b>Clinical Data:</b> No Development Reported	
<b>Size:</b> 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg, 200 mg	

<b>Recilisib</b> (Ex-RAD; ON 01210)	Cat. No.: HY-101625
<b>Bioactivity:</b> Recilisib is a radioprotectant, which can activate <b>AKT</b> , <b>PI3K</b> activities in cells.	
<b>Purity:</b> 98.0%	
<b>Clinical Data:</b> No Development Reported	
<b>Size:</b> 1 mg, 5 mg, 10 mg, 20 mg	

<p><b>SAFit2</b></p> <p style="text-align: right;">Cat. No.: HY-102080</p> <p><b>Bioactivity:</b> SAFit2 is a novel, selective <b>FK506-binding protein 51 (FKBP51)</b> antagonist with a <math>K_i</math> of 6 nM and also enhances <b>AKT2-AS160</b> binding.</p> <p><b>Purity:</b> 98.59%  <b>Clinical Data:</b> No Development Reported  <b>Size:</b> 10mM x 1mL in DMSO, 5 mg</p> 	<p><b>SB 203580</b> (RWJ 64809)</p> <p style="text-align: right;">Cat. No.: HY-10256</p> <p><b>Bioactivity:</b> SB 203580 is a widely used <b>p38 MAPK</b> inhibitor with an <b>IC<sub>50</sub></b> of 0.3-0.5 <math>\mu</math>M. It shows more than 100-fold selectivity over PKB, LCK, and GSK-3<math>\beta</math>.</p> <p><b>Purity:</b> 99.92%  <b>Clinical Data:</b> No Development Reported  <b>Size:</b> 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg, 200 mg</p> 
<p><b>SB 203580 hydrochloride</b> (RWJ 64809 hydrochloride)</p> <p style="text-align: right;">Cat. No.: HY-10256A</p> <p><b>Bioactivity:</b> SB 203580 hydrochloride is a widely used <b>p38 MAPK</b> inhibitor with an <b>IC<sub>50</sub></b> of 0.3-0.5 <math>\mu</math>M. It shows more than 100-fold selectivity over PKB, LCK, and GSK-3<math>\beta</math>.</p> <p><b>Purity:</b> 99.71%  <b>Clinical Data:</b> No Development Reported  <b>Size:</b> 10mM x 1mL in Water, 10 mg, 50 mg, 100 mg, 200 mg</p> 	<p><b>SC66</b></p> <p style="text-align: right;">Cat. No.: HY-19832</p> <p><b>Bioactivity:</b> SC66 is a novel <b>Akt</b> inhibitor, reduces cell viability in a dose- and time-dependent manner, inhibits colony formation and induces apoptosis in hepatocellular carcinoma (HCC) cells.</p> <p><b>Purity:</b> 99.32%  <b>Clinical Data:</b> No Development Reported  <b>Size:</b> 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg</p> 
<p><b>SC79</b></p> <p style="text-align: right;">Cat. No.: HY-18749</p> <p><b>Bioactivity:</b> SC79 is a selective and cell-permeable <b>Akt</b> activator which activates Akt phosphorylation and inhibits Akt membrane translocation.</p> <p><b>Purity:</b> 98.0%  <b>Clinical Data:</b> No Development Reported  <b>Size:</b> 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg, 200 mg</p> 	<p><b>Scutellarin</b></p> <p style="text-align: right;">Cat. No.: HY-N0751</p> <p><b>Bioactivity:</b> Scutellarin, an active flavone isolated from Scutellaria baicalensis, can down-regulate the <b>STAT3/Girdin/Akt</b> signaling in HCC cells, and inhibits RANKL-mediated <b>MAPK and NF-<math>\kappa</math>B</b> signaling pathway in osteoclasts.</p> <p><b>Purity:</b> 98.0%  <b>Clinical Data:</b> No Development Reported  <b>Size:</b> 10mM x 1mL in DMSO, 10 mg, 25 mg, 50 mg</p> 
<p><b>SOLENOPSIN</b></p> <p style="text-align: right;">Cat. No.: HY-16461</p> <p><b>Bioactivity:</b> Solenopsin is an ATP-competitive <b>AKT</b> inhibitor with <b>IC<sub>50</sub></b> value of 10 <math>\mu</math>M .</p> <p><b>Purity:</b> &gt;98%  <b>Clinical Data:</b> No Development Reported  <b>Size:</b> 250 mg, 500 mg</p> 	<p><b>TIC10</b> (ONC-201)</p> <p style="text-align: right;">Cat. No.: HY-15615A</p> <p><b>Bioactivity:</b> TIC10 is a potent, orally active, and stable <b>TRAIL</b> inducer which acts by inhibiting Akt and ERK, consequently activating Foxo3a and significantly inducing cell surface TRAIL .</p> <p><b>Purity:</b> 99.68%  <b>Clinical Data:</b> Phase 2  <b>Size:</b> 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg, 200 mg</p> 
<p><b>Triciribine</b> (API-2; NSC 154020; TCN)</p> <p style="text-align: right;">Cat. No.: HY-15457</p> <p><b>Bioactivity:</b> Triciribine is a <b>DNA synthesis</b> inhibitor, also inhibits <b>Akt</b> and <b>HIV-1/2</b> with <b>IC<sub>50</sub></b> of 130 nM, and 0.02-0.46 <math>\mu</math>M, respectively.</p> <p><b>Purity:</b> 99.20%  <b>Clinical Data:</b> Phase 2  <b>Size:</b> 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg</p> 	<p><b>Uprosertib</b> (GSK2141795)</p> <p style="text-align: right;">Cat. No.: HY-15965</p> <p><b>Bioactivity:</b> Uprosertib (GSK2141795) is a potent and selective <b>pan-Akt</b> inhibitor with <b>IC<sub>50</sub></b> values of 180/328/38 nM for Akt1/Akt2/Akt3, respectively.</p> <p><b>Purity:</b> 99.85%  <b>Clinical Data:</b> Phase 2  <b>Size:</b> 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg, 200 mg</p> 

## Uprosertib hydrochloride

(GSK2141795 (hydrochloride))

Cat. No.: HY-15965A

**Bioactivity:** Uprosertib hydrochloride (GSK2141795 hydrochloride) is a potent and selective **pan-Akt** inhibitor with **IC<sub>50</sub>** values of 180/328/38 nM for Akt1/Akt2/Akt3, respectively.

**Purity:** >98%

**Clinical Data:** Phase 2

**Size:** 5 mg, 10 mg, 50 mg, 100 mg, 200 mg

