

## Product Datasheet

### 1-Azakenpaullone (orb1224272)

<b>Catalog Number</b>	orb1224272
<b>Category</b>	Small Molecules
<b>Description</b>	1-Azakenpaullone is an analog of kenpaullone and is a potent, selective GSK3 $\beta$ inhibitor with IC <sub>50</sub> of 18 nM, weakly inhibits CDK1/cyclin B and CDK5/p25 (IC <sub>50</sub> =2.0 and 4.2 $\mu$ M); stimulates the proliferation of human pancreatic islets and drives the differentiation of mouse embryonic stem cells.
<b>Target</b>	GSK-3
<b>Purity</b>	>98% (HPLC)
<b>MW</b>	328.169
<b>Target Areas</b>	GSK-3 $\beta$
<b>Solubility (25°C)</b>	DMSO: 61 mg/mL (185.9 mM); Ethanol: 1 mg/mL; Water: 1 mg/mL □ 1 mg/ml refers to the product slightly soluble or insoluble )
<b>CAS Number</b>	676596-65-9
<b>Formula</b>	C <sub>15</sub> H <sub>10</sub> BrN <sub>3</sub> O
<b>SMILES</b>	O=C(NC1=CC=CN=C12)CC3=C2NC4=C3C=C(Br)C=C4
<b>Chemical Name</b>	9-bromo-7,12-dihydro-pyrido[3',2':2,3]azepino[4,5-b]indol-6(5H)-one
<b>Storage</b>	Storage temperature: -20°C. Stability: $\geq$ 2 years
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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