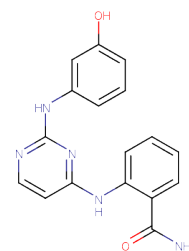


DB07268

Chemical Properties

CAS No. : 929007-72-7
Formula: C₁₇H₁₅N₅O₂
Molecular Weight: 321.33
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	DB07268 is a potent and selective JNK1 inhibitor.
Targets(IC50)	JNK
Kinase Assay	Following 3T3L1 adipocyte serum-starvation and insulin stimulation, cell lysates containing protease inhibitors are clarified and then subjected to immunoprecipitation with anti-PIKfyve antibodies. Washed beads are mixed with 100 µM PtdIns and preincubated for 15 min with YM-201636 (100 nM) or vehicle in the assay buffer (50 mM Tris-HCl, pH 7.5, 1 mM EGTA and 10 mM MgCl ₂). The kinase assay (50 µL final volume) is carried out for 15 min at 37 °C with 15 µM ATP and [γ- ³² P]ATP (30 µCi). Lipids are extracted, spotted on TLC glass plates (250 µm), resolved by a chloroform/methanol/water/ammonia solvent system and detected by autoradiography[2].

Solubility Information

Solubility	DMSO: 32 mg/mL, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1121 mL	15.5603 mL	31.1207 mL
5 mM	0.6224 mL	3.1121 mL	6.2241 mL
10 mM	0.3112 mL	1.556 mL	3.1121 mL
50 mM	0.0622 mL	0.3112 mL	0.6224 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Liu M, et al. Bioorg Med Chem Lett. 2007 Feb 1;17(3):668-72.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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