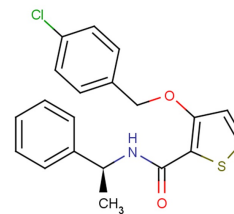


AS1949490

Chemical Properties

CAS No.:	1203680-76-5
Formula:	C ₂₀ H ₁₈ ClNO ₂ S
Molecular Weight:	371.88
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	AS1949490 activated glucose metabolism via up-regulation of GLUT1 gene in L6 myotubes[1][2]. AS1949490 is a potent and selective SHIP-2 (SH2 domain-containing inositol 5' phosphatase 2) inhibitor, with an IC ₅₀ of 620 nM.
Targets(IC ₅₀)	SHIP-2: 620 nM

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.689 mL	13.445 mL	26.89 mL
5 mM	0.538 mL	2.689 mL	5.378 mL
10 mM	0.269 mL	1.345 mL	2.689 mL
50 mM	0.054 mL	0.269 mL	0.538 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Suwa A, et al. Discovery and functional characterization of a novel small molecule inhibitor of the intracellular phosphatase, SHIP2. Br J Pharmacol. 2009 Oct;158(3):879-87.
2. Suwa A, et al. Glucose metabolism activation by SHIP2 inhibitors via up-regulation of GLUT1 gene in L6 myotubes. Eur J Pharmacol. 2010 Sep 10;642(1-3):177-82.

Inhibitors · Natural Compounds · Compound Libraries

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