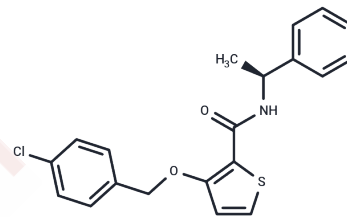


AS1949490

Chemical Properties

CAS No. : 1203680-76-5
 Formula: C₂₀H₁₈ClNO₂S
 Molecular Weight: 371.88
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



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)	Phosphatase

Solubility Information

Solubility	DMSO: 49 mg/mL (131.76 mM), Sonication is recommended. (< 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	13.4452 mL	26.8904 mL
5 mM	0.5378 mL	2.689 mL	5.3781 mL
10 mM	0.2689 mL	1.3445 mL	2.689 mL
50 mM	0.0538 mL	0.2689 mL	0.5378 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

Suwa A, et al. Discovery and functional characterization of a novel small molecule inhibitor of the intracellular phosphatase, SHIPBr J Pharmacol. 2009 Oct;158(3):879-87.
 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.

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