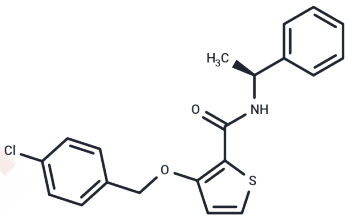
Data Sheet (Cat.No.T14327)

TargetMol

AS1949490

Chemical Properties



CAS No. :	1203680-76-5
Formula:	C20H18ClNO2S
Molecular Weight:	371.88
Storage:	Powder: -20°C for 3 years | In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.

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 IC50 of 620 nM.
Targets(IC50)	Akt,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)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.38 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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.