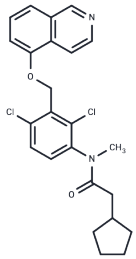
Data Sheet (Cat.No.T26661)

AS1708727

Chemical Properties



CAS No. : 1253226-93-5

Formula: C24H24Cl2N2O2

Molecular Weight: 443.37

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	AS1708727 is an orally bioavailable FOXO1 inhibitor that reduces plasma glucose and triglyceride levels in diabetic mice.
Targets(IC50)	FOXO
In vitro	AS1708727 inhibits hepatic gluconeogenic gene expression and suppresses elevated blood glucose levels [1].
In vivo	AS1708727 (30-300 mg/kg; oral) reduces plasma glucose and triglyceride levels in diabetic db/db mice, exhibiting antidiabetic activity [1].

Solubility Information

Solubility	DMSO: 32 mg/mL (72.17 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2555 mL	11.2773 mL	22.5545 mL
5 mM	0.4511 mL	2.2555 mL	4.5109 mL
10 mM	0.2255 mL	1.1277 mL	2.2555 mL
50 mM	0.0451 mL	0.2255 mL	0.4511 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

Tanaka H, et al. Effects of the novel Foxo1 inhibitor AS1708727 on plasma glucose and triglyceride levels in diabetic db/db mice. Eur J Pharmacol. 2010;645(1-3):185-191.

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