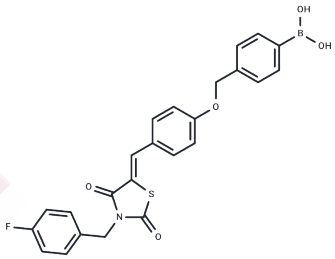
Data Sheet (Cat.No.T11533)

TargetMol

Z-HA155

Chemical Properties



CAS No. : 1312201-00-5

Formula: C24H19BFNO5S

Molecular Weight: 463.29

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	Z-HA155 (CS-963) selectively and potently inhibits autotaxin with an IC50 of 5.7 nM.
Targets(IC50)	PDE
In vitro	HA155 completely attenuates the thrombin-mediated increase in platelet-derived LPA dose-dependently [2].HA155 is an ATX inhibitor by binding to the ATX active site [3].

Solubility Information

Solubility	DMSO: 8 mg/mL (17.27 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1585 mL	10.7924 mL	21.5848 mL
5 mM	0.4317 mL	2.1585 mL	4.317 mL
10 mM	0.2158 mL	1.0792 mL	2.1585 mL
50 mM	0.0432 mL	0.2158 mL	0.4317 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

Albers HM, et al. Structure-based design of novel boronic acid-based inhibitors of autotaxin. J Med Chem. 2011 Jul 14;54(13):4619-26.
Fulkerson Z, et al. Binding of autotaxin to integrins localizes lysophosphatidic acid production to platelets and mammalian cells. J Biol Chem. 2011 Oct 7;286(40):34654-63.
Albers HM, et al. Chemical Evolution of Autotaxin Inhibitors. Chem Rev. 2012 May 9;112(5):2593-603.

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