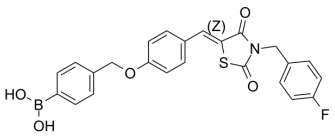
HA155

Cat. No.:	HY-116100A
CAS No.:	1312201-00-5
Molecular Formula:	$C_{24}H_{19}BFNO_5S$
Molecular Weight:	463.29
Target:	Phosphodiesterase (PDE)
Pathway:	Metabolic Enzyme/Protease
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 10 mg/mL (21.58 mM; Need ultrasonic and warming)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.1585 mL	10.7924 mL	21.5848 mL
	5 mM	0.4317 mL	2.1585 mL	4.3170 mL
	10 mM	0.2158 mL	1.0792 mL	2.1585 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

HA-155 is a potent and selective autotaxin (ATX) inhibitor with an IC_{50} of 5.7 nM[1][2][3].

IC_{50} & Target

IC50: 5.7 nM (ATX)[1]

In Vitro

HA-155 inhibits ATX by binding to the ATX active site[1].

HA155 completely attenuates the thrombin-mediated increase in platelet-derived LPA in a dose-dependent manner[3].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Albers HM, et al. Chemical Evolution of Autotaxin Inhibitors. Chem Rev. 2012 May 9;112(5):2593-603.

[2]. 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.

[3]. 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-

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