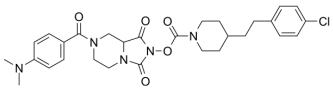
JJH260

Cat. No.:	HY-116895
CAS No.:	1831135-30-8
Molecular Formula:	$C_{29}H_{34}ClN_5O_5$
Molecular Weight:	568.06
Target:	Androgen Receptor; MAGL
Pathway:	Vitamin D Related/Nuclear Receptor; Metabolic Enzyme/Protease
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 6.25 mg/mL (11.00 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.7604 mL	8.8019 mL	17.6038 mL
	5 mM	0.3521 mL	1.7604 mL	3.5208 mL
	10 mM	0.1760 mL	0.8802 mL	1.7604 mL

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

BIOLOGICAL ACTIVITY

Description

JJH260 is AIG1inhibitor, and inhibit the fluorophosphonate reactivity and fatty acid esters of hydroxy fatty acid (FAHFA) hydrolysis activity of AIG1in HEK293T cells, with IC_{50} values of 0.50 μM and 0.57 μM, respectively[1].

IC_{50} & Target

0.50 μM (AIG1) and 0.57 μM (FAHFA) in HEK293T cells [1]

In Vitro

JJH260 (30 min) inhibits ADTRP, FP-Rh labeling of hAIG1, and the 9-PAHSA hydrolysis activity of hAIG1, in HEK293T, with the IC_{50} of 0.5 and 0.57μM[1].

JJH260 (5 μM, 4 h) inhibits FAHFA hydrolysis in LNCaP cells and human T-cells[1].

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

REFERENCES

[1]. William H Parsons, et al. AIG1 and ADTRP are atypical integral membrane hydrolases that degrade bioactive FAHFAs. Nat Chem Biol. 2016 May;12(5):367-372.

[2]. Xinkang Wang, et al. Antithrombotic Effects of the Novel Small-Molecule Factor XIa Inhibitor Milvexian in a Rabbit Arteriovenous Shunt Model of Venous Thrombosis. TH Open. 2023 Apr; 7(2): e97–e104.

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