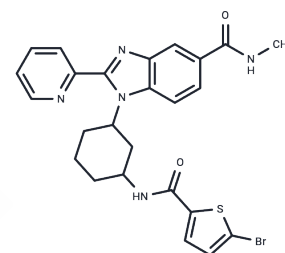


BCAT-IN-1

Chemical Properties

CAS No. :	2581243-32-3
Formula:	C ₂₅ H ₂₄ BrN ₅ O ₂ S
Molecular Weight:	538.46
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	BCAT-IN-1 is an orally active and selective BCATm inhibitor and a potential BCAT2 modulator, used in studies of metabolic diseases.
Targets(IC50)	Others
In vitro	BCAT-IN-1 inhibits BCATm in human cells with pIC50 of 7.0. BCAT-IN-1 inhibited BCATm in mice with pIC50 of 5.9 in cell tests. [1]
In vivo	BCAT-IN-1 (compound 8b) (30-300 mg/kg, orally) increased BCAAs levels in a concentration-dependent manner in a mouse model of PD. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8571 mL	9.2857 mL	18.5715 mL
5 mM	0.3714 mL	1.8571 mL	3.7143 mL
10 mM	0.1857 mL	0.9286 mL	1.8571 mL
50 mM	0.0371 mL	0.1857 mL	0.3714 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

Deng H, et, al. Discovery and Optimization of Potent, Selective, and in Vivo Efficacious 2-Aryl Benzimidazole BCATm Inhibitors. ACS Med Chem Lett. 2016 Feb 8;7(4):379-84.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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