

BCAT-IN-4

Chemical Properties

CAS No. : 406190-85-0

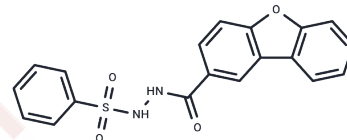
Formula: C₁₉H₁₄N₂O₄S

Molecular Weight: 366.39

Store at low temperature

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	BCAT-IN-4 is a potent BCAT inhibitor with an IC ₅₀ value of 2.35 μM for hBCATc. BCAT-IN-4 has anticancer activity and can be used to study pancreatic ductal adenocarcinoma.
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (136.47 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7293 mL	13.6467 mL	27.2933 mL
5 mM	0.5459 mL	2.7293 mL	5.4587 mL
10 mM	0.2729 mL	1.3647 mL	2.7293 mL
50 mM	0.0546 mL	0.2729 mL	0.5459 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

Hu LY, et al. The design and synthesis of human branched-chain amino acid aminotransferase inhibitors for treatment of neurodegenerative diseases. *Bioorg Med Chem Lett*. 2006 May 1;16(9):2337-40.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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