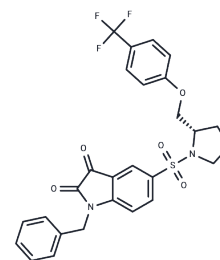


CAY10406

Chemical Properties

CAS No. : 2108603-03-6
 Formula: C₂₇H₂₃F₃N₂O₅S
 Molecular Weight: 544.54
 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	CAY10406 is a trifluoromethyl analog of an isatin sulfonamide compound that selectively inhibits caspases 3 and 7. The non-trifluoromethyl compound exhibits Ki values of 1.2 nM and 6 nM for caspases 3 and 7, respectively. For all of the other caspases tested, it is 100 to 1,000 times less potent. Caspases 3 and 7 are 'effector caspases' that are downstream from the initiating steps of apoptosis, and are implicated in the main proteolytic processing of the apoptotic signal. No data is currently available for caspase inhibition by CAY10406.
Targets(IC50)	Others,Caspase

Solubility Information

Solubility	DMF: 25 mg/mL (45.91 mM),Sonication is recommended. Ethanol: 0.05 mg/mL (0.09 mM),Sonication is recommended. DMF:PBS (pH 7.2) (1:2): 0.5 mg/mL (0.92 mM),Sonication is recommended. DMSO: 10 mg/mL (18.36 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	1.8364 mL	9.1821 mL	18.3641 mL
5 mM	0.3673 mL	1.8364 mL	3.6728 mL
10 mM	0.1836 mL	0.9182 mL	1.8364 mL
50 mM	0.0367 mL	0.1836 mL	0.3673 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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