

SB-583355

Chemical Properties

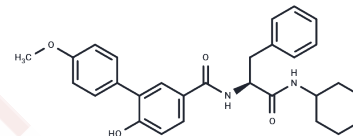
CAS No. : 3040121-49-8

Formula: C₂₉H₃₂N₂O₄

Molecular Weight: 472.58

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	SB-583355 (Compound 56) is a potent G2A antagonist. It is synthesized through a Suzuki reaction of 4-methoxyphenylboronic acid with 3-bromo-4-hydroxybenzoic acid under specific conditions, followed by amide coupling. SB-583355 effectively blocks G2A activation mediated by 9-HOPE or T-10148 in CHO-K1 cells expressing human G2A. This compound is useful for investigating inflammation, myeloid leukemia, and neuropathic pain.
Targets(IC50)	GPCR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.116 mL	10.5802 mL	21.1604 mL
5 mM	0.4232 mL	2.116 mL	4.2321 mL
10 mM	0.2116 mL	1.058 mL	2.116 mL
50 mM	0.0423 mL	0.2116 mL	0.4232 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

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