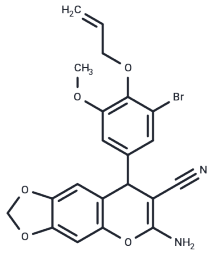
Data Sheet (Cat.No.T77502)

TargetMol

Wnt pathway inhibitor 3

Chemical Properties



CAS No. : 663213-98-7

Formula: C21H17BrN2O5

Molecular Weight: 457.27

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	Wnt pathway inhibitor 3 is a potent AC1 inhibitor (IC50: 45 nM) with antiproliferative activity, suitable for studies to ameliorate osteoarthritis in a mouse model of experimental osteoarthritis.
Targets(IC50)	Wnt/beta-catenin,Adenylate cyclase
In vitro	Wnt pathway inhibitor 3 (compound 41) (0-100 μM; 72 h) exhibited anti-proliferative activity with IC50 values of 641, 470, 551, and 618 nM for HS68, Dld1, HCT116, and SW480 cells, respectively.[1]

Solubility Information

Solubility	DMSO: 60 mg/mL (131.21 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1869 mL	10.9345 mL	21.8689 mL
5 mM	0.4374 mL	2.1869 mL	4.3738 mL
10 mM	0.2187 mL	1.0934 mL	2.1869 mL
50 mM	0.0437 mL	0.2187 mL	0.4374 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

Michael Boutros, et al. Chromene derivatives and their analoga as wnt pathway antagonists. US20130296344A1.

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