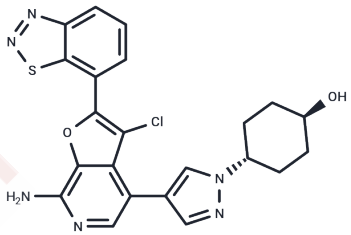
Data Sheet (Cat.No.T67909)

TargetMol

TAK1 inhibitor

Chemical Properties



CAS No. : 1326712-16-6

Formula: C22H19ClN6O2S

Molecular Weight: 466.94

Storage: Store at low temperature
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	TAK1 inhibitor is an inhibitor, which can inhibit MCF-7, A549, DU-145 and MDA MB-231, with IC50 of 0.021, 0.14, 0.064 and 0.19, respectively. TAK1 inhibitor showed good antibacterial activity with microphones ranging from 93.7 to 46.9μg/mL and from 7.8 to 5.8μg/mL.
Targets(IC50)	Topoisomerase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1416 mL	10.708 mL	21.416 mL
5 mM	0.4283 mL	2.1416 mL	4.2832 mL
10 mM	0.2142 mL	1.0708 mL	2.1416 mL
50 mM	0.0428 mL	0.2142 mL	0.4283 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

Veerman JJN, et al. Discovery of 2,4-1H-Imidazole Carboxamides as Potent and Selective TAK1 Inhibitors. ACS Med Chem Lett. 2021;12(4):555-56

Hornberger KR, et al. Discovery of 7-aminofuro[2,3-c]pyridine inhibitors of TAK1: optimization of kinase selectivity and pharmacokinetics. Bioorg Med Chem Lett. 2013;23(16):4511-4516.

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