

MS-0022

Chemical Properties

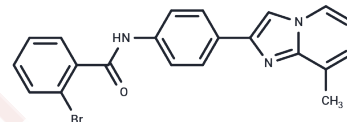
CAS No. : 691392-89-9

Formula: C₂₁H₁₆BrN₃O

Molecular Weight: 406.28

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	MS-0022 is a SMO antagonist. MS-0022 showed effective Hh signaling pathway inhibition at the level of SMO in the low nM range, and Hh pathway inhibition downstream of Suppressor of fused (SUFU) in the low μM range. MS-0022 reduced growth in the tumor cell lines PANC-1, SUIT-2, PC-3 and FEMX in vitro. MS-0022 is a treatment led to a transient delay of tumor growth that correlated with a reduction of stromal Gli1 levels in SUIT-2 xenografts in vivo.
Targets(IC50)	Others,Hedgehog/Smoothened,SmO

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4614 mL	12.3068 mL	24.6136 mL
5 mM	0.4923 mL	2.4614 mL	4.9227 mL
10 mM	0.2461 mL	1.2307 mL	2.4614 mL
50 mM	0.0492 mL	0.2461 mL	0.4923 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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