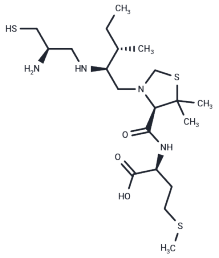
Data Sheet (Cat.No.T69994)

TargetMol

BIM-46050

Chemical Properties



CAS No. : 201487-52-7

Formula: C20H40N4O3S3

Molecular Weight: 480.75

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	BIM-46050 is a potent and specific inhibitor of human farnesyltransferase. BIM-46050 is free acidic form of BIM-46068. The IC50 values for in vitro inhibition of human brain FTase indicate that BIM-46050 and the ester form BIM-46068 are potent inhibitors of farnesyltransferase. Their potencies are in the nanomolar range and compare favorably with the compounds B581, FTI-277 and L745,631. B581 is an analog of the tetrapeptide Cys-Val-Phe-Met obtained by replacement of the amino-terminal amide bonds inhibiting processing of farnesylated proteins specifically. FTI-277 is a methyl ester of FTI-276, reported as a preferential inhibitor of FTase over GGTase I (100-fold). L745,631 is a 2-substituted piperazine reported to be a highly selective inhibitor of FTase over GGTase (2,000-fold). The selectivity of BIM-46050 and BIM-46068 for FTase over GGTase is very similar for both compounds (3,000-fold).
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0801 mL	10.4004 mL	20.8008 mL
5 mM	0.416 mL	2.0801 mL	4.1602 mL
10 mM	0.208 mL	1.040 mL	2.0801 mL
50 mM	0.0416 mL	0.208 mL	0.416 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.

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