

BMS-186511

Chemical Properties

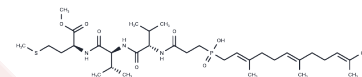
CAS No. : 167467-53-0

Formula: C34H60N3O7PS

Molecular Weight: 685.89

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	BMS-186511 is a Farnesyltransferase (FT) inhibitor with potential anticancer activity. BMS-186511 is a bisubstrate analogue inhibitor of FT, would inhibit the malignant growth properties of a cell line established from malignant schwannoma of an NF1 patient. Following treatment with BMS-186511, ST88-14 cells became flat, nonrefractile, were contact-inhibited, and lost their ability to grow in soft agar. BMS-186511 was found to specifically inhibit FT, but not geranylgeranyltransferase I, a closely related enzyme. Thus, it is conceivable that FT inhibitors may ultimately become the first generation of drugs against the malignant phenotype in NF1 based on rational insights into the mechanism of action of neurofibromin.
Targets(IC50)	Others,Transferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.458 mL	7.2898 mL	14.5796 mL
5 mM	0.2916 mL	1.458 mL	2.9159 mL
10 mM	0.1458 mL	0.729 mL	1.458 mL
50 mM	0.0292 mL	0.1458 mL	0.2916 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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Tel:781-999-4286

E_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481