

BMS-906024

Chemical Properties

CAS No. : 1401066-79-2

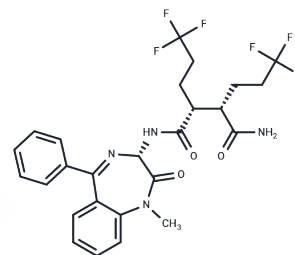
Formula: C₂₆H₂₆F₆N₄O₃

Molecular Weight: 556.5

Store at low temperature

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-906024 (Osugacestat) is an orally available and selective inhibitor of γ -secretase, a small molecule Notch inhibitor. BMS-906024 has broad-spectrum antitumour activity against a variety of human cancer xenografts. BMS-906024 prevents the activation of all four Notch receptors, and is active against Notch1, -2, -3 and -4 receptors. BMS-906024 prevents the activation of all four Notch receptors, with IC ₅₀ s of 1.6, 0.7, 3.4 and 2.9 nM for Notch1, -2, -3 and -4 receptors, respectively.
Targets(IC ₅₀)	Gamma-secretase
In vitro	BMS-906024 (100 nM; 72 h) is an effective Notch activation inhibitor, which enhances the in vitro anti-tumor activity of paclitaxel[1].

Solubility Information

Solubility	DMSO: 5 mg/mL (8.98 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7969 mL	8.9847 mL	17.9695 mL
5 mM	0.3594 mL	1.7969 mL	3.5939 mL
10 mM	0.1797 mL	0.8985 mL	1.7969 mL
50 mM	0.0359 mL	0.1797 mL	0.3594 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

Morgan KM, et al. Gamma Secretase Inhibition by BMS-906024 Enhances Efficacy of Paclitaxel in Lung Adenocarcinoma. Mol Cancer Ther. 2017 Dec;16(12):2759-2769.

Gavai AV, et al. Discovery of Clinical Candidate BMS-906024: A Potent Pan-Notch Inhibitor for the Treatment of Leukemia and Solid Tumors. ACS Med Chem Lett. 2015 Mar 11;6(5):523-7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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