

Product Data Sheet

Product Name: BMS-906024

Cat. No.: GC35535

Chemical Properties

Cas. No. 1401066-79-2

SMILES O=C(N[C@@H]1C(N(C)C2=CC=CC=C2C(C3=CC=CC=C3)=N1)=O)[C@H](CCC(F)(F)F)[C@H](CCC(F)(F)F)C(N)=O

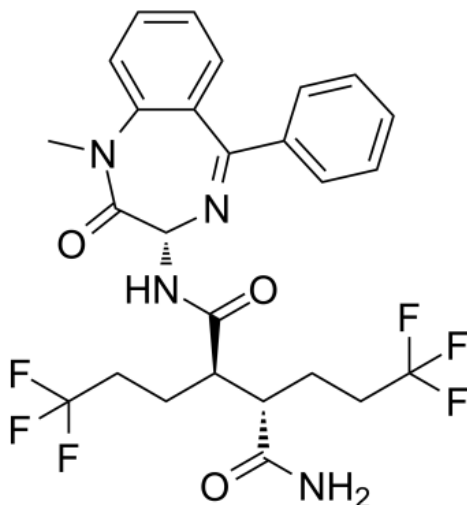
Formula $C_{26}H_{26}F_6N_4O_3$ M.Wt 556.5

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Caution: Product has not been fully validated for medical applications. For research use only.

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BMS-906024 is an oral and selective gamma secretase inhibitor (GSI) that is a small molecule Notch inhibitor[1]. BMS-906024 prevents the activation of all four Notch receptors with a high oral bioavailability with IC50s of 1.6, 0.7, 3.4, and 2.9 nM for Notch1, -2, -3, and -4 receptors, respectively. BMS-906024 demonstrates broad-spectrum antineoplastic activity against a wide array of human cancer xenografts[2]. IC50: 1.6 nM (Notch1), 0.7 nM (Notch2), 3.4 nM (Notch3) and 2.9 nM (Notch4) [2]

[1]. 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. [2]. 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.

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