

BPN-15606 besylate (1914989-49-3 free base)

Chemical Properties

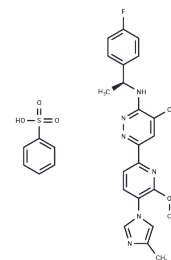
CAS No. :

Formula: C₂₉H₂₉FN₆O₄S

Molecular Weight: 576.64

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	BPN-15606 besylate is a highly potent, orally active γ -secretase modulator, attenuates the production of A β 40 and A β 42 by SHSY5Y neuroblastoma cells (IC ₅₀ s: 7 nM and 17nM).
Targets(IC ₅₀)	Others
In vivo	BPN-15606 besylate (p.o.; 10 mg/kg, 25 mg/kg, and 50 mg/kg; 7 days) shows excellent dose-dependent efficacy in both plasma and brain on lowering of A β 42 and A β 40 levels in mice. BPN-15606 besylate (p.o.; 5 mg/kg, 25 mg/kg and 50 mg/kg; 9 days) dose-dependently reduces CSF on lowering of A β 42 and A β 40 levels in rats. BPN-15606 besylate (p.o.; 25 mg/kg; single dose) shows a robust effect on both brain and plasma A β 42 and A β 40 levels, which begins approximately 30-60 minutes following the single-dose administration and lasted for \geq 24 hours in C57BL/6 mice. BPN-15606 besylate has acceptable PK/PD properties, including bioavailability, half-life, and clearance.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7342 mL	8.6709 mL	17.3418 mL
5 mM	0.3468 mL	1.7342 mL	3.4684 mL
10 mM	0.1734 mL	0.8671 mL	1.7342 mL
50 mM	0.0347 mL	0.1734 mL	0.3468 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

Wagner SL, et al. Pharmacological and Toxicological Properties of the Potent Oral γ -Secretase Modulator BPN-15606. J Pharmacol Exp Ther. 2017 Jul;362(1):31-44.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481