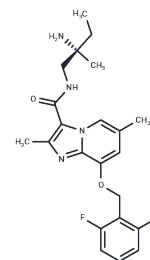


BAY-747

Chemical Properties

CAS No. : 1609342-18-8
 Formula: C₂₂H₂₆F₂N₄O₂
 Molecular Weight: 416.46
 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	BAY-747 (BAY 1165747) is an orally administered, brain-penetrant compound that stimulates soluble guanylate cyclase (sGC). It effectively counteracts memory impairments induced by L-NAME, improves cognitive performance in rats during the object location task (OLT), reduces blood pressure in conscious normotensive and spontaneously hypertensive rats (SHR), and enhances skeletal muscle function in the mdx/mTRG2 mouse model of Duchenne muscular dystrophy (DMD) [1] [2] [3].
Targets(IC50)	Others, Guanylate cyclase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4012 mL	12.006 mL	24.0119 mL
5 mM	0.4802 mL	2.4012 mL	4.8024 mL
10 mM	0.2401 mL	1.2006 mL	2.4012 mL
50 mM	0.048 mL	0.2401 mL	0.4802 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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