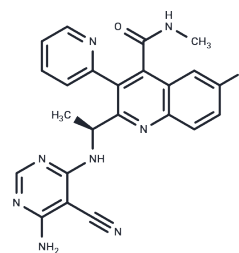


AM-0687

Chemical Properties

CAS No. : 1259522-94-5
 Formula: C₂₃H₁₉FN₈O
 Molecular Weight: 442.45
 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	AM-0687 is a potent and selective PI3K δ inhibitor. AM-0687 has Cellular potency: pAKT IC ₅₀ = 0.7 nM; HWB, u (pAKT) IC ₅₀ = 4.6 nM. Rat KLH: IgG ED ₅₀ = 0.026 mg/kg; IgM ED ₅₀ = 0.016 mg/kg. Rat PK Clu = 2.3 L/hr/kg.
Targets(IC ₅₀)	Others,PI3K

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2601 mL	11.3007 mL	22.6014 mL
5 mM	0.452 mL	2.2601 mL	4.5203 mL
10 mM	0.226 mL	1.1301 mL	2.2601 mL
50 mM	0.0452 mL	0.226 mL	0.452 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

Gonzalez-Lopez de Turiso F, Hao X, Shin Y, et al. Discovery and in Vivo Evaluation of the Potent and Selective PI3K δ Inhibitors 2-((1S)-1-((6-Amino-5-cyano-4-pyrimidinyl)amino)ethyl)-6-fluoro-N-methyl-3-(2-pyridinyl)-4-quinolinecarboxamide (AM-0687) and 2-((1S)-1-((6-Amino-5-cyano-4-pyrimidinyl)amino)ethyl)-5-fluoro-N-methyl-3-(2-pyridinyl)-4-quinolinecarboxamide (AM-1430). J Med Chem. 2016 Jul 14. [Epub ahead of print] PubMed PMID: 27411843.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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