

G-744

Chemical Properties

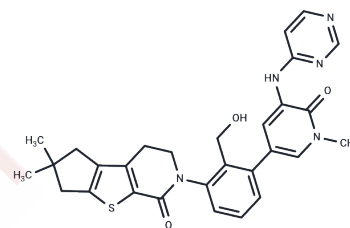
CAS No. : 1346669-54-2

Formula: C₂₉H₂₉N₅O₃S

Molecular Weight: 527.64

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	G-744 is a selective and orally active inhibitor of Btk (IC ₅₀ : 2 nM). G-744 is well-tolerated, metabolically stable. It also has an efficacious to treat arthritis.
Targets(IC ₅₀)	BTK
In vivo	G-744 (6.25/12.25/25 mg/kg, p.o., b.i.d., daily) treatment prevents collagen-induced arthritis in Lewis rats in a dose-dependent manner.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8952 mL	9.4762 mL	18.9523 mL
5 mM	0.379 mL	1.8952 mL	3.7905 mL
10 mM	0.1895 mL	0.9476 mL	1.8952 mL
50 mM	0.0379 mL	0.1895 mL	0.379 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

Wang X, et al. Discovery of Potent and Selective Tricyclic Inhibitors of Bruton's Tyrosine Kinase with Improved Druglike Properties. ACS Med Chem Lett. 2017 May 3;8(6):608-613.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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