

GNE-955

Chemical Properties

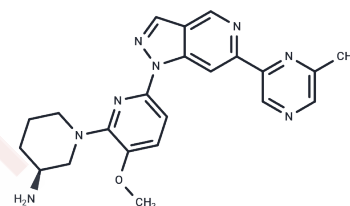
CAS No. : 1527523-39-2

Formula: C₂₂H₂₄N₈O

Molecular Weight: 416.48

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	GNE-955 is a potent and orally active inhibitor of pan Pim kinase, with inhibition constants (K _i) of 0.018 nM, 0.11 nM, and 0.08 nM for Pim1, Pim2, and Pim3, respectively.
Targets(IC ₅₀)	Pim
In vitro	GNE-955 inhibits the proliferation of MM.1S cells (IC ₅₀ : 0.5 μM) after 72 hours of treatment and inhibits the phosphorylation of BAD (s112), S6 (s235/236), S6 (s240/244), and 4EBP (s65) within the range of 0.156-5 μM, with no effect on total BAD, S6, or 4EBP protein levels.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4011 mL	12.0054 mL	24.0108 mL
5 mM	0.4802 mL	2.4011 mL	4.8022 mL
10 mM	0.2401 mL	1.2005 mL	2.4011 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.

Reference

Wang X, et al. Discovery of 5-Azaindazole (GNE-955) as a Potent Pan-Pim Inhibitor with Optimized Bioavailability. J Med Chem. 2017 May 25;60(10):4458-4473.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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