

G-5758

Chemical Properties

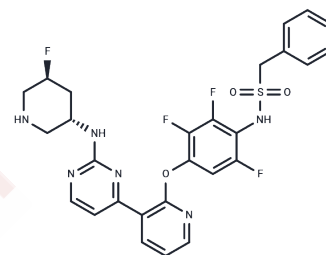
CAS No. : 2413455-99-7

Formula: C₂₇H₂₄F₄N₆O₃S

Molecular Weight: 588.58

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-5758 is an orally active IRE1 α inhibitor with an IC ₅₀ of 38 nM for XBP1s. It is used in studies involving multiple myeloma models [KMS-11], demonstrating good tolerance in rats at oral doses up to 500 mg/kg. G-5758 exhibits pharmacodynamic effects comparable to those induced by IRE1 knockdown.
Targets(IC ₅₀)	IRE1,Liposome

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.699 mL	8.495 mL	16.990 mL
5 mM	0.3398 mL	1.699 mL	3.398 mL
10 mM	0.1699 mL	0.8495 mL	1.699 mL
50 mM	0.034 mL	0.1699 mL	0.3398 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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