

G-1749

Chemical Properties

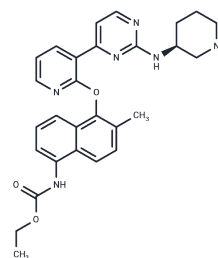
CAS No. : 2245057-57-0

Formula: C₂₈H₃₀N₆O₃

Molecular Weight: 498.59

Storage: Store at low temperature, Keep away from moisture
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-1749 does not alter the monomer-dimer equilibrium of IRE, stimulates the RNase activity of unphosphorylated IRE1 and inhibits IRE1-3P, and significantly increases the RNase activity of IRE1-KR-0P.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0057 mL	10.0283 mL	20.0566 mL
5 mM	0.4011 mL	2.0057 mL	4.0113 mL
10 mM	0.2006 mL	1.0028 mL	2.0057 mL
50 mM	0.0401 mL	0.2006 mL	0.4011 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

Ferri E, et al. Activation of the IRE1 RNase through remodeling of the kinase front pocket by ATP-competitive ligands. Nat Commun. 2020 Dec 14;11(1):6387

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