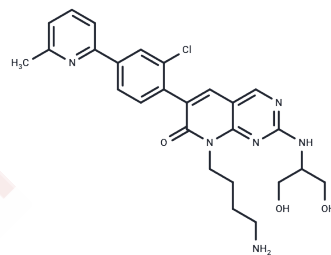


MR24

Chemical Properties

CAS No. : 3056814-89-9
 Formula: C₂₆H₂₉ClN₆O₃
 Molecular Weight: 509.00
 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	MR24 is a derivative of G-5555 and acts as an inhibitor of mammalian STE20-like (MST) kinases. It selectively targets MST3 and MST4, with EC ₅₀ values of 57 nM and 583 nM, respectively.
Targets(IC ₅₀)	Hippo pathway
In vitro	MR24 causes cell cycle arrest at the G1 phase when administered at 10 μM for 24 to 72 hours. The compound demonstrates exceptional microsomal stability, exceeding 90%, within just one hour.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9646 mL	9.8232 mL	19.6464 mL
5 mM	0.3929 mL	1.9646 mL	3.9293 mL
10 mM	0.1965 mL	0.9823 mL	1.9646 mL
50 mM	0.0393 mL	0.1965 mL	0.3929 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481