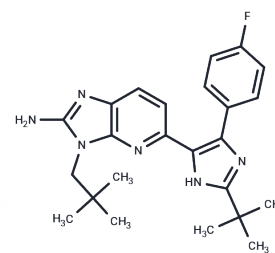


Ralimetinib

Chemical Properties

CAS No. :	862505-00-8
Formula:	C ₂₄ H ₂₉ FN ₆
Molecular Weight:	420.53
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Ralimetinib is a selective inhibitor that blocks phosphorylation of MK2 at Thr334, without affecting the phosphorylation of p38 α MAPK, JNK, ERK1/2, c-Jun, ATF2, or c-Myc. Ralimetinib functions as an ATP-competitive inhibitor of p38 MAPK α/β , demonstrating IC ₅₀ values of 5.3 and 3.2 nM, respectively, and is under investigation as an anti-inflammatory and anticancer therapeutic.
Targets(IC ₅₀)	Others,MAPK,Autophagy,p38 MAPK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.378 mL	11.8898 mL	23.7795 mL
5 mM	0.4756 mL	2.378 mL	4.7559 mL
10 mM	0.2378 mL	1.189 mL	2.378 mL
50 mM	0.0476 mL	0.2378 mL	0.4756 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

Campbell RM, et al. Characterization of LY2228820 dimesylate, a potent and selective inhibitor of p38 MAPK with antitumor activity. *Mol Cancer Ther.* 2014 Feb;13(2):364-74.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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