

IRAK4-IN-33

Chemical Properties

CAS No. :	2411497-72-6
Formula:	C27H26N10O5
Molecular Weight:	538.63
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	IRAK4-IN-33 (Compound 22) is a selective and potent orally active inhibitor of interleukin-1 receptor-associated kinase 4 (IRAK4) with an IC50 value of 0.36 nM. It effectively blocks pro-inflammatory signaling pathways mediated by IRAK4 and inhibits the release of TNF α and IFN α . Additionally, IRAK4-IN-33 demonstrates weak inhibition of the hERG channel (IC50 value greater than 30 μ M). This compound is applicable in inflammation and immunology research, such as studies on rheumatoid arthritis.
Targets(IC50)	IFNAR,IRAK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8566 mL	9.2828 mL	18.5656 mL
5 mM	0.3713 mL	1.8566 mL	3.7131 mL
10 mM	0.1857 mL	0.9283 mL	1.8566 mL
50 mM	0.0371 mL	0.1857 mL	0.3713 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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