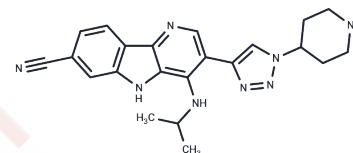


IRAK4-IN-10

Chemical Properties

CAS No. :	2681278-09-9
Formula:	C ₂₂ H ₂₄ N ₈
Molecular Weight:	400.48
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-10 (compound 75) is a potent IRAK4 inhibitor (IC ₅₀ = 1.5 nM) that can block the MyD88-dependent signaling pathway and has research potential in inflammatory diseases, autoimmune diseases, and cancer.
Targets(IC ₅₀)	IRAK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.497 mL	12.485 mL	24.970 mL
5 mM	0.4994 mL	2.497 mL	4.994 mL
10 mM	0.2497 mL	1.2485 mL	2.497 mL
50 mM	0.0499 mL	0.2497 mL	0.4994 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

Sabnis RW. Novel Tricyclic Heteroaryl Compounds as IRAK4 Inhibitors for Treating Cancer, Autoimmune and Inflammatory Diseases. ACS Med Chem Lett. 2022 Feb 28;13(3):336-337.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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