

BIO-8169

Chemical Properties

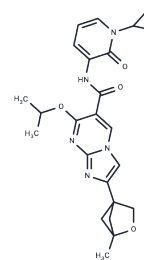
CAS No. : 2792153-06-9

Formula: C₂₄H₂₇N₅O₄

Molecular Weight: 449.50

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	BIO-8169, a selective interleukin receptor-associated kinase 4 (IRAK 4) inhibitor, demonstrates potent activity with an IC ₅₀ value of 0.23 nM. Exhibiting strong pharmacokinetic properties, BIO-8169 effectively reduces pro-inflammatory cytokine production and mitigates autoimmune encephalomyelitis in the EAE mouse model. Additionally, it has notable blood-brain penetration, evidenced by a rat K _{pu,u} of 0.7.
Targets(IC ₅₀)	IRAK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2247 mL	11.1235 mL	22.2469 mL
5 mM	0.4449 mL	2.2247 mL	4.4494 mL
10 mM	0.2225 mL	1.1123 mL	2.2247 mL
50 mM	0.0445 mL	0.2225 mL	0.4449 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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