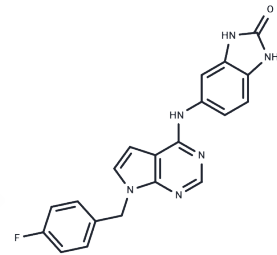


TLR4/NF-κB-IN-1

Chemical Properties

CAS No. :	3050836-94-4
Formula:	C ₂₀ H ₁₅ N ₃ O
Molecular Weight:	374.37
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	TLR4/NF-κB-IN-1 (Compound 7x) is an orally bioavailable inhibitor targeting the TLR4/NF-κB signaling pathway, with anti-inflammatory properties and the ability to cross the blood-brain barrier. It can alleviate LPS-induced acute neuroinflammation in mice and downregulate the protein expression of TLR4, P-NF-κB, and P-IκB-α.
Targets(IC50)	NF-κB, IκB, IKK, TLR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6712 mL	13.3558 mL	26.7115 mL
5 mM	0.5342 mL	2.6712 mL	5.3423 mL
10 mM	0.2671 mL	1.3356 mL	2.6712 mL
50 mM	0.0534 mL	0.2671 mL	0.5342 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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