

KIN1148

Chemical Properties

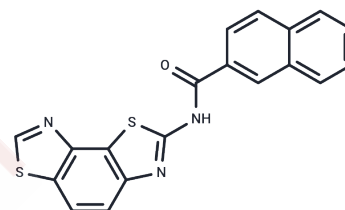
CAS No. : 1428729-56-9

Formula: C₁₉H₁₁N₃O₂S

Molecular Weight: 361.44

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	KIN1148 is a novel small-molecule adjuvant that acts through the RIG-I pathway and IRF-3 transcription factor to stimulate inN/Ate immunity and protection following viral infection. The adjuvant will be developed for an FDA-approved avian influenza virus vaccine as well as evaluation in flavivirus vaccine platforms, including West Nile virus, because of the small molecules broad immune-enhancing activity.
Targets(IC50)	Influenza Virus

Solubility Information

Solubility	DMSO: 25 mg/mL (69.17 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7667 mL	13.8336 mL	27.6671 mL
5 mM	0.5533 mL	2.7667 mL	5.5334 mL
10 mM	0.2767 mL	1.3834 mL	2.7667 mL
50 mM	0.0553 mL	0.2767 mL	0.5533 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

Probst P., et al. A small-molecule IRF3 agonist functions as an influenza vaccine adjuvant by modulating the antiviral immune response.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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