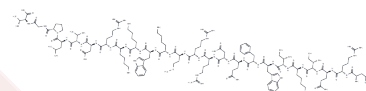


IMG-2005

Chemical Properties

CAS No. : 1229954-79-3
Formula: C140H227N45O33S
Molecular Weight: 3100.65
Storage: Keep away from moisture
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	IMG-2005 acts as an inhibitor of the TLR signaling pathway by mimicking the Toll/interleukin-1 receptor (TIR) domain of MyD88. This action prevents the homodimerization of MyD88, mitigating damage to tracheal epithelial cells and averting the onset of pulmonary immune diseases.
Targets(IC50)	TLR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3225 mL	1.6126 mL	3.2251 mL
5 mM	0.0645 mL	0.3225 mL	0.645 mL
10 mM	0.0323 mL	0.1613 mL	0.3225 mL
50 mM	0.0065 mL	0.0323 mL	0.0645 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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