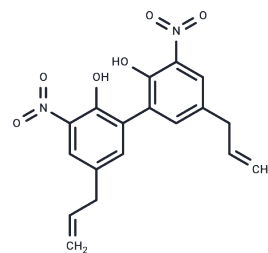


MSRV-IN-1

Chemical Properties

CAS No. :	1438403-50-9
Formula:	C ₁₈ H ₁₆ N ₂ O ₆
Molecular Weight:	356.329
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	MSRV-IN-1 (Compound M3) is an inhibitor targeting aquatic rhabdoviruses, including MSRV, SVCV, and IHNV, with IC ₅₀ values of 0.92 μM, 2.92 μM, and 2.78 μM, respectively. Instead of acting directly on virus particles, MSRV-IN-1 disrupts the replication environment by altering the virus-induced S-phase cell cycle arrest, inhibiting viral replication. Administered via intraperitoneal injection at a dose of 20 mg/kg, MSRV-IN-1 significantly improves the survival rate of MSRV-infected largemouth bass by 35.98% and reduces viral load in the liver, spleen, and kidneys. MSRV-IN-1 is applicable in research on rhabdovirus-associated diseases in aquaculture.
Targets(IC ₅₀)	DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8064 mL	14.0319 mL	28.0639 mL
5 mM	0.5613 mL	2.8064 mL	5.6128 mL
10 mM	0.2806 mL	1.4032 mL	2.8064 mL
50 mM	0.0561 mL	0.2806 mL	0.5613 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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