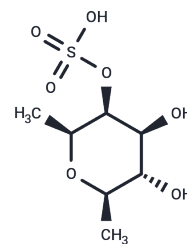


Antiviral Agent 51

Chemical Properties

CAS No. :	2165969-58-2
Formula:	C7H14O7S
Molecular Weight:	242.25
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	Antiviral Agent 51 (compound A) is a fucoidan and antiviral agent that inhibits Human alphaherpesvirus 1 and interacts with the RNA-dependent RNA polymerase (RdRp) of DENV-2, making it useful for studying dengue virus.
Targets(IC50)	Anti-infection, Virus Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.128 mL	20.6398 mL	41.2797 mL
5 mM	0.8256 mL	4.128 mL	8.2559 mL
10 mM	0.4128 mL	2.064 mL	4.128 mL
50 mM	0.0826 mL	0.4128 mL	0.8256 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

Arul Balasubramanian, et al. In-silico antiviral screening of native seaweed fucoidan and its derivatives against dengue virus-2 RNA dependant RNA polymerase (RdRp). sciencedirect, 2023.

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