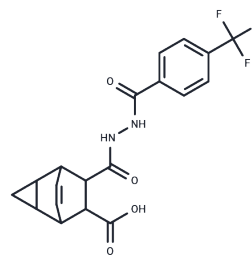


NIOCH 14

Chemical Properties

CAS No. :	1268015-38-8
Formula:	C ₁₉ H ₁₇ F ₃ N ₂ O ₄
Molecular Weight:	394.35
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	NIOCH 14 is an orally available antiviral compound that inhibits external keratovirus, poxvirus, and smallpox virus.
Targets(IC50)	Virus Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5358 mL	12.6791 mL	25.3582 mL
5 mM	0.5072 mL	2.5358 mL	5.0716 mL
10 mM	0.2536 mL	1.2679 mL	2.5358 mL
50 mM	0.0507 mL	0.2536 mL	0.5072 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

- Sokolova AS, et al. (+)-Camphor and (-)-borneol derivatives as potential anti-orthopoxvirus agents. Arch Pharm (Weinheim). 2021 Jun;354(6):e2100038.
- Mazurkov OY, et al. New effective chemically synthesized anti-smallpox compound NIOCH-14. J Gen Virol. 2016 May;97(5):1229-1239.
- Sokolova AS, et al. (+)-Camphor and (-)-borneol derivatives as potential anti-orthopoxvirus agents. Arch Pharm (Weinheim). 2021 Jun;354(6):e2100038.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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