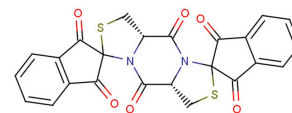


ZINC03129319

Chemical Properties

CAS No.: 1777807-64-3
Formula: C₂₄H₁₄N₂O₆S₂
Molecular Weight: 490.51
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	ZINC03129319 is an inhibitor of dengue virus (DENV) NS2B-NS3 protease, and has inhibition constants (K _{i1}) of 92 μM and K _{i3} of 20 μM.
Targets(IC ₅₀)	DENV NS2B-NS3 protease: 20±4 μM
In vitro	ZINC03129319 inhibits DENV NS2B-NS3 protease (K _{i1} of 92±15 μM and K _{i3} of 20±4 μM).

Solubility Information

Solubility	DMSO: 41.67 mg/mL (84.95 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.039 mL	10.193 mL	20.387 mL
5 mM	0.408 mL	2.039 mL	4.077 mL
10 mM	0.204 mL	1.019 mL	2.039 mL
50 mM	0.041 mL	0.204 mL	0.408 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Watowich, Stanley J, et al. SMALL-MOLECULE INHIBITORS OF DENGUE VIRUS PROTEASES. US20150141521A1.

Inhibitors · Natural Compounds · Compound Libraries

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