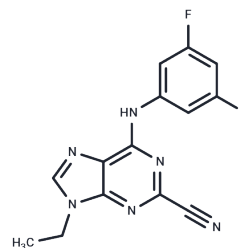


Cruzain-IN-1

Chemical Properties

CAS No. :	1199523-24-4
Formula:	C ₁₄ H ₁₀ F ₂ N ₆
Molecular Weight:	300.27
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Cruzain-IN-1 (ML092) is a covalent and reversible Cruzain inhibitor (IC ₅₀ : 10 nM).
Targets(IC ₅₀)	Antibiotic

Solubility Information

Solubility	DMSO: 45 mg/mL (149.87 mM), Sonication is recommended. (< 1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3303 mL	16.6517 mL	33.3034 mL
5 mM	0.6661 mL	3.3303 mL	6.6607 mL
10 mM	0.333 mL	1.6652 mL	3.3303 mL
50 mM	0.0666 mL	0.333 mL	0.6661 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.

Reference

Lee GM, et al. Mapping inhibitor binding modes on an active cysteine protease via nuclear magnetic resonance spectroscopy. *Biochemistry*. 2012 Dec 18;51(50):10087-98.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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