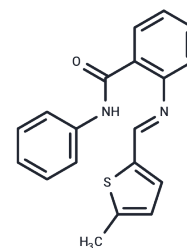


Retro-2

Chemical Properties

CAS No. :	1201652-50-7
Formula:	C ₁₉ H ₁₆ N ₂ O ₂ S
Molecular Weight:	320.41
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Retro-2 (2-[[[(5-methyl-2-thienyl)methylene]amino]]) is a plant toxin ricin inhibitor, it protects HeLa cells against Ricin, Stx1 and Stx2, selectively blocks retrograde toxin trafficking at the early endosome-TGN (trans-Golgi network) interface.
Targets(IC50)	Others, Virus Protease, Parasite, Autophagy

Solubility Information

Solubility	DMSO: 20 mg/mL (62.42 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.121 mL	15.605 mL	31.210 mL
5 mM	0.6242 mL	3.121 mL	6.242 mL
10 mM	0.3121 mL	1.5605 mL	3.121 mL
50 mM	0.0624 mL	0.3121 mL	0.6242 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

Morgens D W , Chan C , Kane A J , et al. Retro-2 protects cells from ricin toxicity by inhibiting ASNA1-mediated ER targeting and insertion of tail-anchored proteins[J]. eLife Sciences, 2019, 8.

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