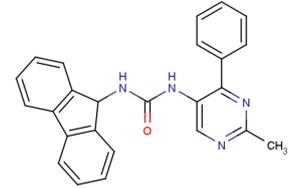


Data Sheet (Cat.No.T13208)

TrkA-IN-1

Chemical Properties

CAS No.:	1680179-43-4
Formula:	C ₂₅ H ₂₀ N ₄ O
Molecular Weight:	392.45
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	TrkA-IN-1 is a potent and selective inhibitor of Tropomyosin-related kinase A (TrkA) (IC ₅₀ : 99 nM in a cell-based assay) with analgesic activity.
Targets(IC ₅₀)	TrkA: 99 nM TrkB: 81 μM TrkC: 25 μM

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.548 mL	12.74 mL	25.481 mL
5 mM	0.51 mL	2.548 mL	5.096 mL
10 mM	0.255 mL	1.274 mL	2.548 mL
50 mM	0.051 mL	0.255 mL	0.51 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. Su HP, et al. Structural characterization of nonactive site, TrkA-selective kinase inhibitors. Proc Natl Acad Sci U S A. 2017 Jan 17;114(3):E297-E306.

Inhibitors · Natural Compounds · Compound Libraries

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