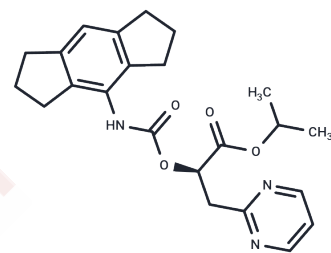


NT-0796

Chemical Properties

CAS No. : 2272917-13-0
 Formula: C₂₃H₂₇N₃O₄
 Molecular Weight: 409.48
 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	NT-0796 is a brain-permeable, potent, and selective inhibitor of the inflammasome NLRP3, inhibiting NLRP3 activation. NT-0796 is a potential NDT-19795 delivery vector.
Targets(IC50)	NOD-like Receptor (NLR), NOD, Interleukin

Solubility Information

Solubility	DMSO: 80 mg/mL (195.37 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	2.4421 mL	12.2106 mL	24.4212 mL
5 mM	0.4884 mL	2.4421 mL	4.8842 mL
10 mM	0.2442 mL	1.2211 mL	2.4421 mL
50 mM	0.0488 mL	0.2442 mL	0.4884 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

- David Harrison, et al. Discovery of Clinical Candidate NT-0796, a Brain-Penetrant and Highly Potent NLRP3 Inflammasome Inhibitor for Neuroinflammatory Disorders. *J Med Chem.* 2023 Oct 24.
- Smolak P, et al. Target Cell Activation of a Structurally Novel NOD-Like Receptor Pyrin Domain-Containing Protein 3 Inhibitor NT-0796 Enhances Potency. *J Pharmacol Exp Ther.* 2024 Feb 15;388(3):798-812.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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