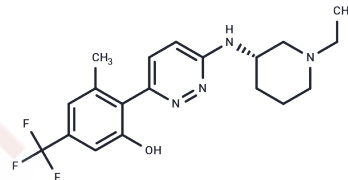


2-[6-[[[(3S)-1-Ethyl-3-piperidinyl]amino]-3-pyridazinyl]-3-methyl-5-(trifluoromethyl)phenol

Chemical Properties

CAS No. :	2557366-30-8
Formula:	C19H23F3N4O
Molecular Weight:	380.41
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	2-[6-[[[(3S)-1-Ethyl-3-piperidinyl]amino]-3-pyridazinyl]-3-methyl-5-(trifluoromethyl)phenol is a small-molecule NLRP3 inflammasome inhibitors centered on the pyrazine-3-ylphenol structure. By interfering with the activation or assembly of the 2-[6-[[[(3S)-1-Ethyl-3-piperidinyl]amino]-3-pyridazinyl]-3-methyl-5-(trifluoromethyl)phenol reduce the activation of caspase-1 and the release of pro-inflammatory factors such as IL-1 β .
Targets(IC50)	Caspase,NOD,IL Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6287 mL	13.1437 mL	26.2874 mL
5 mM	0.5257 mL	2.6287 mL	5.2575 mL
10 mM	0.2629 mL	1.3144 mL	2.6287 mL
50 mM	0.0526 mL	0.2629 mL	0.5257 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

Mackay A, et al. Discovery of NP3-253, a Potent Brain Penetrant Inhibitor of the NLRP3 Inflammasome. J Med Chem. 2024 Dec 12;67(23):20780-20798.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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