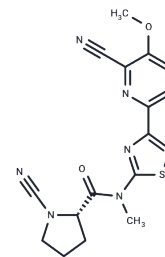


USP30 inhibitor 11

Chemical Properties

CAS No. :	2067332-64-1
Formula:	C17H16N6O2S
Molecular Weight:	368.41
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	USP30 inhibitor 11 (USP30-IN-11) is a selective USP30 inhibitor (IC50: 0.01 μ M) that inhibits SVA and can be used in studies of cancer, mitochondrial dysfunction and Parkinson's.
Targets(IC50)	DUB
In vitro	In the mitochondrial outer membrane, USP30 is a 517 amino acid protein found. It is the sole deubiquitylating enzyme bearing a mitochondrial addressing signal and has been shown to deubiquitylate a number of mitochondrial proteins[1]. USP30 inhibitor 11 inhibits USP30 biochemical activity with an IC50 of 0.01 μ M in a USP30 biochemical IC50 assay (0.01-30 μ M; λ Ex=540 nm; λ Em=590 nm) [1].

Solubility Information

Solubility	DMSO: 20 mg/mL (54.29 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	2.7144 mL	13.5718 mL	27.1437 mL
5 mM	0.5429 mL	2.7144 mL	5.4287 mL
10 mM	0.2714 mL	1.3572 mL	2.7144 mL
50 mM	0.0543 mL	0.2714 mL	0.5429 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

Mark Kemp, et al. Cyanopyrrolidines as dub inhibitors for the treatment of cancer. Patent WO 2017009650 A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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