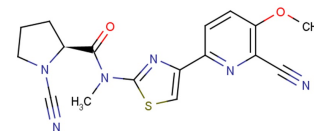


USP30 inhibitor 11

Chemical Properties

CAS No.:	2067332-64-1
Formula:	C ₁₇ H ₁₆ N ₆ O ₂ S
Molecular Weight:	368.41
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	USP30 inhibitor 11 is a selective and potent inhibitor of ubiquitin-specific peptidase 30 (USP30) (IC ₅₀ : 0.01 μM).
Targets(IC ₅₀)	USP30: 0.01 μM
In vitro	USP30 is a 517 amino acid protein. USP30 is the sole deubiquitylating enzyme bearing a mitochondrial addressing signal and has been shown to deubiquitylate a number of mitochondrial proteins. USP30 inhibitor 11 (0.01-30 μM; λ _{Ex} =540 nm; λ _{Em} =590 nm) inhibits USP30 biochemical activity (IC ₅₀ : 0.01 μM in a USP30 biochemical IC ₅₀ assay).

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	2.714 mL	13.572 mL	27.144 mL
5 mM	0.543 mL	2.714 mL	5.429 mL
10 mM	0.271 mL	1.357 mL	2.714 mL
50 mM	0.054 mL	0.271 mL	0.543 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. Mark Kemp, et al. Cyanopyrrolidines as dub inhibitors for the treatment of cancer. Patent WO 2017009650 A1.

Inhibitors · Natural Compounds · Compound Libraries

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