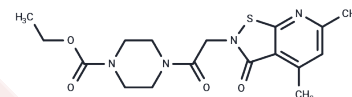


Thymidylate Kinase Inhibitor, YMU1

Chemical Properties

CAS No. :	902589-96-2
Formula:	C17H22N4O4S
Molecular Weight:	378.45
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	YMU1 is a human thymidylate kinase (hTMPK) inhibitor. YMU1 stabilizes the conformation of ligand-induced degradation (LID) region of hTMPK and blocks the catalytic site or ATP-binding site.
Targets(IC50)	Others,STAT

Solubility Information

Solubility	DMSO: 5 mg/mL (13.21 mM),Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6424 mL	13.2118 mL	26.4236 mL
5 mM	0.5285 mL	2.6424 mL	5.2847 mL
10 mM	0.2642 mL	1.3212 mL	2.6424 mL
50 mM	0.0528 mL	0.2642 mL	0.5285 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

Dong B , Jaeger A M , Hughes P F , et al. Targeting therapy-resistant prostate cancer via a direct inhibitor of the human heat shock transcription factor 1[J]. Science Translational Medicine, 2020, 12(574):eabb5647.

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