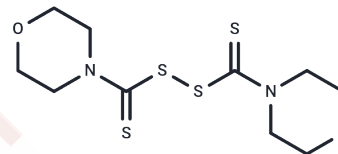


JX06

Chemical Properties

CAS No. :	729-46-4
Formula:	C10H16N2O2S4
Molecular Weight:	324.51
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	JX06, a potent, selective and covalent PDK inhibitor, inhibits PDK1, PDK2 and PDK3 with IC50 of 49 nM, 101 nM and 313 nM respectively.
Targets(IC50)	Apoptosis,PDK,Dehydrogenase

Solubility Information

Solubility	DMSO: 27.5 mg/mL (84.74 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.16 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0816 mL	15.4078 mL	30.8157 mL
5 mM	0.6163 mL	3.0816 mL	6.1631 mL
10 mM	0.3082 mL	1.5408 mL	3.0816 mL
50 mM	0.0616 mL	0.3082 mL	0.6163 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

Sun W , Xie Z , Liu Y , et al. JX06 Selectively Inhibits Pyruvate Dehydrogenase Kinase PDK1 by a Covalent Cysteine Modification[J]. Cancer Research, 2015:4923-4936.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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