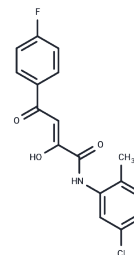


SEC inhibitor KL-2

Chemical Properties

CAS No. :	900308-51-2
Formula:	C ₁₇ H ₁₃ ClFNO ₃
Molecular Weight:	333.74
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	SEC inhibitor KL-2 (KL-2) is a potent and selective inhibitor of the super elongation complex (SEC), showing a dose-dependent inhibitory effect on the AFF4-CCNT1 interaction with a K_i of 1.50 μ M.
Targets(IC50)	Others,DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 75 mg/mL (224.73 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (9.89 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	2.9963 mL	14.9817 mL	29.9634 mL
5 mM	0.5993 mL	2.9963 mL	5.9927 mL
10 mM	0.2996 mL	1.4982 mL	2.9963 mL
50 mM	0.0599 mL	0.2996 mL	0.5993 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

Liang K, et al. Targeting Processive Transcription Elongation via SEC Disruption for MYC-Induced Cancer Therapy. Cell. 2018 Oct 18;175(3):766-779.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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