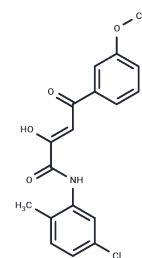


SEC inhibitor KL-1

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 900308-84-1 |
| Formula: | C ₁₈ H ₁₆ ClNO ₄ |
| Molecular Weight: | 345.78 |
| 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-1 (KL-1) is a potent, selective super elongation complex (SEC) inhibitor that exhibits a dose-dependent inhibitory effect on AFF4-CCNT1 interaction (K _i : 3.48 μM) and disrupts the interaction between the SEC scaffolding protein AFF4. |
| Targets(IC50) | Apoptosis,Others |

Solubility Information

| | |
|---------------------|---|
| Solubility | DMSO: 41.67 mg/mL (120.51 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+90% Corn Oil: 2 mg/mL (5.78 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 | 2.892 mL | 14.4601 mL | 28.9201 mL |
| 5 mM | 0.5784 mL | 2.892 mL | 5.784 mL |
| 10 mM | 0.2892 mL | 1.446 mL | 2.892 mL |
| 50 mM | 0.0578 mL | 0.2892 mL | 0.5784 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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