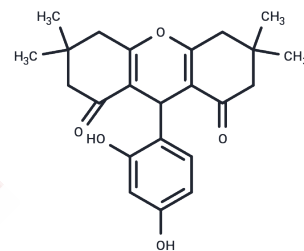


CIL62

Chemical Properties

CAS No. : 117593-36-9
Formula: C₂₃H₂₆O₅
Molecular Weight: 382.45
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	CIL62 is a Necrostatin-1 dependent inducer of cell death through a caspase-3/7-independent mechanism [1].
Targets(IC50)	Others,Caspase,Necroptosis
In vitro	Necrostatin-1 at 19 μ M (5 μ g/mL) suppresses CIL62, but CIL62 is not suppressed by the ferroptosis inducers (antioxidants or iron-chelators) [1].

Solubility Information

Solubility	DMSO: 10 mg/mL (26.15 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: 1 mg/mL (2.61 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	2.6147 mL	13.0736 mL	26.1472 mL
5 mM	0.5229 mL	2.6147 mL	5.2294 mL
10 mM	0.2615 mL	1.3074 mL	2.6147 mL
50 mM	0.0523 mL	0.2615 mL	0.5229 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

Shimada K , Skouta R , Kaplan A , et al. Global survey of cell death mechanisms reveals metabolic regulation of ferroptosis[J]. Nature Chemical Biology, 2016.

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