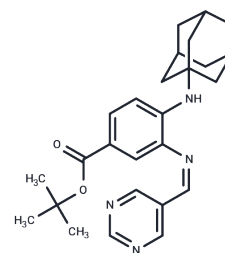


SRS16-86

Chemical Properties

CAS No. :	1793052-96-6
Formula:	C ₂₆ H ₃₂ N ₄ O ₂
Molecular Weight:	432.56
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	SRS16-86 is a novel third-generation ferrostatin, is an inhibitor of ferroptosis.
Targets(IC50)	Ferroptosis

Solubility Information

Solubility	DMSO: 5 mg/mL (11.56 mM),Sonication is recommended. Ethanol: 2 mg/mL (4.62 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 (2.31 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	2.3118 mL	11.5591 mL	23.1182 mL
5 mM	0.4624 mL	2.3118 mL	4.6236 mL
10 mM	0.2312 mL	1.1559 mL	2.3118 mL
50 mM	0.0462 mL	0.2312 mL	0.4624 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

Linkermann, Andreas, Skouta, et al. Synchronized renal tubular cell death involves ferroptosis.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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