

SP-420

## Chemical Properties

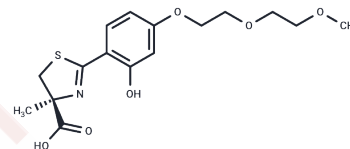
CAS No. : 911714-45-9

Formula: C<sub>16</sub>H<sub>21</sub>N<sub>2</sub>O<sub>6</sub>S

Molecular Weight: 355.41

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	SP-420 is a novel orally active iron chelator.
Targets(IC50)	Others, Ferroptosis

## Solubility Information

Solubility	DMSO: 35 mg/mL (98.48 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8137 mL	14.0683 mL	28.1365 mL
5 mM	0.5627 mL	2.8137 mL	5.6273 mL
10 mM	0.2814 mL	1.4068 mL	2.8137 mL
50 mM	0.0563 mL	0.2814 mL	0.5627 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

Bergeron RJ, et al. Substituent effects on desferrithiocin and desferrithiocin analogue iron-clearing and toxicity profiles. J Med Chem. 2012 Aug 23;55(16):7090-103.

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