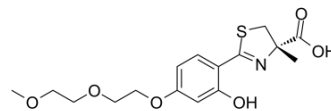


SP-420

Cat. No.:	HY-16912		
CAS No.:	911714-45-9		
Molecular Formula:	C ₁₆ H ₂₁ NO ₆ S		
Molecular Weight:	355.41		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 38 mg/mL (106.92 mM)

* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

SP-420 is a desferrithiocin analogue with iron-clearing efficiency with ICE value of 26.7; more potent than desferrithiocin.

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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