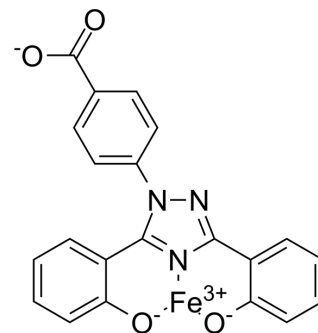


Deferasirox (Fe³⁺ chelate)

Cat. No.:	HY-16564		
CAS No.:	554435-83-5		
Molecular Formula:	C ₂₁ H ₁₂ FeN ₃ O ₄		
Molecular Weight:	426.18		
Target:	Ferroptosis; Bacterial		
Pathway:	Apoptosis; Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (117.32 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.3464 mL	11.7321 mL	23.4643 mL
	5 mM	0.4693 mL	2.3464 mL	4.6929 mL
	10 mM	0.2346 mL	1.1732 mL	2.3464 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (5.87 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (5.87 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Deferasirox Fe³⁺ Chelate is an iron chelating agent extracted from patent WO2003053986^[1].

In Vitro

Deferasirox Fe³⁺ Chelate is an iron chelating agent^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. WO2003053986

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

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