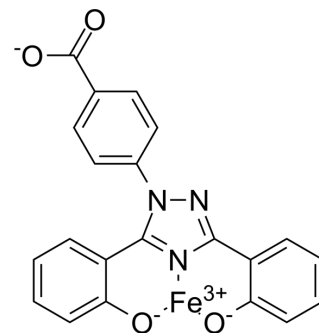


Deferasirox (Fe³⁺ chelate)

| | | | |
|---------------------------|---|-------|----------|
| 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 | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

| | | | | | |
|---|---|--------------------------|--------------|------------|------------|
| In Vitro | DMSO : 50 mg/mL (117.32 mM; Need ultrasonic) | | | | |
| | | Solvent Concentration | 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 | <ol style="list-style-type: none"> 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 Fe ³⁺ Chelate is an iron chelating agent extracted from patent WO2003053986 ^[1] . |
| In Vitro | Deferasirox Fe ³⁺ 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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