

Product Information

Deferasirox Fe³⁺ chelate, Purity ≥98%

Cat. No.: X24-09-YM1338

Size: 5 mg; 10 mg; 20 mg; 50 mg

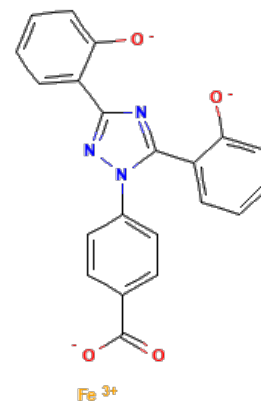
CAS Number: 554435-83-5

Compound CID: 78118625

Synonym: 554435-83-5; Exjade Fe³⁺ chelate;

4-[3,5-Bis(2-oxidophenyl)-1,2,4-triazol-1-yl]benzoate; iron(3+)

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Deferasirox Fe ³⁺ chelate is a rationally designed oral iron chelator. The molecular weight of the compound is 426.18, and its molecular formula is C ₂₁ H ₁₂ FeN ₃ O ₄ .
Molecular Weight	426.18
Molecular Formula	C ₂₁ H ₁₂ FeN ₃ O ₄
IUPAC Name	4-[3,5-Bis(2-oxidophenyl)-1,2,4-triazol-1-yl]benzoate;iron(3+)
InChI	InChI=1S/C21H15N3O4.Fe/c25-17-7-3-1-5-15(17)19-22-20(16-6-2-4-8-18(16)26)24(23-19)14-11-9-13(10-12-14)21(27)28;/h1-12,25-26H,(H,27,28);/q;+3/p-3
InChI Key	ABQALTGEPFNCIY-UHFFFAOYSA-K
Canonical SMILES	C1=CC=C(C(=C1)C2=NN(C(=N2)C3=CC=CC=C3[O-])C4=CC=C(C(=C4)C(=O)[O-])[O-].[Fe+3]
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Deferasirox Fe ³⁺ chelate can be studied extensively for its potential therapeutic applications in the treatment of cancer and neurodegenerative conditions.
Storage	Store at -20°C, and keep desiccated.