

Deferasirox, Iron Chelator

| Catalog | Unit |
|--------------|-------|
| TBI4949-10MG | 10 mg |
| TBI4949-25MG | 25 mg |

Product Details

Formal Name: 4-[3,5-bis(2-Hydroxyphenyl)-1,2,4-triazol-1-yl]benzoic acid

Alternate Names: ICL670

Molecular Formula: C₂₁H₁₅N₃O₄

Formula Weight: 373.36

CAS Number: 201530-41-8

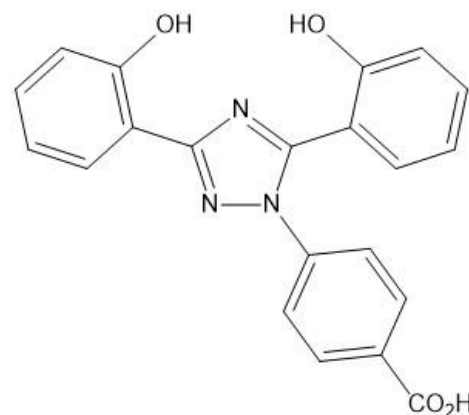
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 10 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Iron Chelator

Functions

Clinically useful iron chelator used in long term care of β -thalassemia and other heavily transfused hematological patients. It has been shown to potent inhibitor of JumonjiC Domain-Containing Histone Demethylases (IC₅₀'s = KDM4A(JMJD2A) 4.76 μ M, KDM5A(JARID1A) 5.00 μ M, KDM6B(JMJD3) 3.95 μ M). Deferasirox has also been investigated as a potential anticancer agent.

Application Procedures

First dissolved in DMSO (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

For research use only.