

Deferasirox (Fe³⁺ chelate)

Catalog No: tcsc1166



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

554435-83-5

Formula:

$C_{21}H_{12}FeN_3O_4$

Pathway:

Others

Target:

Others

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

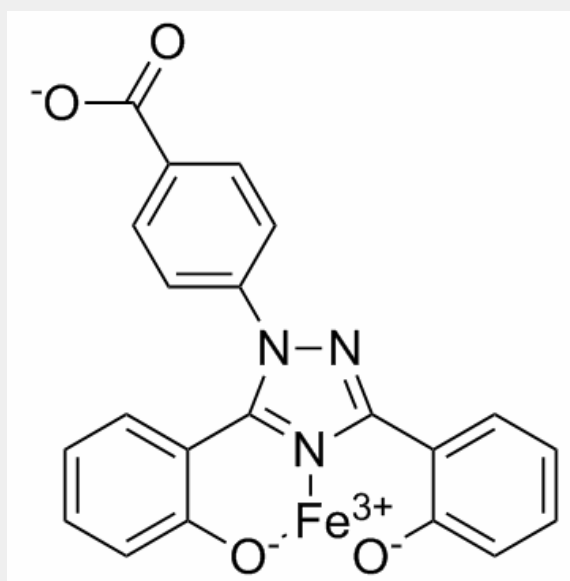
426.18

Product Description

Deferasirox Fe³⁺ chelate is a rationally-designed oral iron chelator; its main use is to reduce chronic iron overload in patients who

are receiving long-term blood transfusions for conditions such as beta-thalassemia and other chronic anemias.

In Vitro: Deferasirox is the first oral medication approved in the USA for this purpose. The half-life of deferasirox is between 8 and 16 hours allowing once a day dosing. Two molecules of deferasirox are capable of binding to 1 atom of iron which are subsequently eliminated by fecal excretion. Its low molecular weight and high lipophilicity allows the drug to be taken orally unlike desferoxamine which has to be administered by IV route (intravenous infusion). Together with deferiprone, deferasirox seems to be capable of removing iron from cells (cardiac myocytes and hepatocytes) as well as removing iron from the blood.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!