



Deferasirox (Fe3+ chelate)

Catalog No: tcsc1166

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.

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