

Deferasirox

Catalog No: tcsc0901



Available Sizes

Size: 5mg

Size: 10mg

Size: 25mg

Size: 50mg

Size: 100mg



Specifications

CAS No:
201530-41-8

Formula:
 $C_{21}H_{15}N_3O_4$

Pathway:
Others

Target:
Others

Purity / Grade:
>98%

Solubility:
DMSO : ≥ 100 mg/mL (267.84 mM)

Alternative Names:
ICL 670

Observed Molecular Weight:

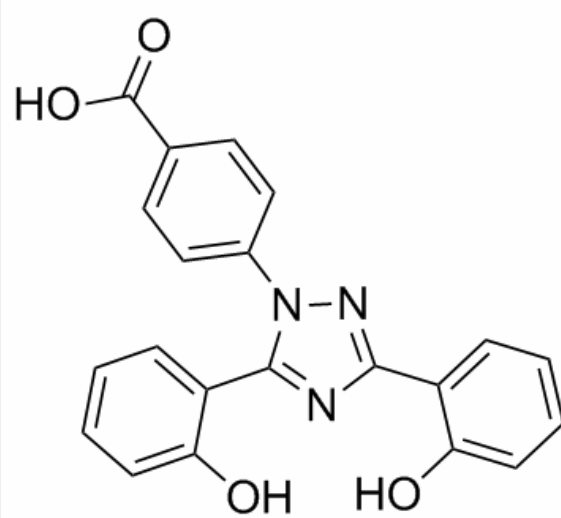
373.36

Product Description

Deferasirox (ICL 670) is an orally available iron chelator used for the management of transfusional iron overload.

In Vitro: In LX-2 cells treated with 50 μ M deferasirox for 12 h, α 1(I)procollagen expression is decreased by 25%, with maximal reductions (10-fold) seen following 24-120 h of treatment. Similarly, α -smooth muscle actin (α SMA) expression is significantly lower^[1]. Deferasirox had anti-proliferative effects on HL-60 or KG-1 myeloid leukemia cell lines at a concentration as low as 5 μ M. The cytotoxicity is both dose and time dependent^[2]. The viability of both EL4 cells and L1210 cells incubated with deferasirox decrease in a concentration-dependent manner^[3].

In Vivo: The tumor is significantly smaller in the SIO mice treated with deferasirox compared with control. Mice treated with DFX showed longer survival than the other groups. Deferasirox has a survival benefit for SIO leukemia murine model in terms of iron chelation and antileukemic therapy^[3].



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