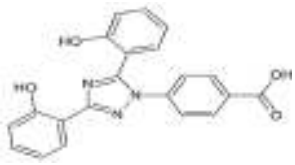
Deferasirox

ALTERNATE NAME: 4-[3,5-bis(2-hydroxyphenyl)-1H-1,2,4-triazol-1-yl]-benzoic acid
ICL670A

CATALOG #:

B2649-5	5 mg
B2649-25	25 mg

STRUCTURE:



MOLECULAR FORMULA: $C_{21}H_{15}N_3O_4$

MOLECULAR WEIGHT: 373.36

CAS NUMBER: 201530-41-8

APPEARANCE: White to pale yellow or purple powder

PURITY: ≥98%

SOLUBILITY: >20 mg/ml DMSO

DESCRIPTION: Deferasirox is an orally bioavailable tridentate iron chelator. It is selective for iron (Fe(III)) over Cu(II), Zn(II), Mg(II), and Ca(II) but does bind to Al(III). Deferasirox decreases iron levels in iron-loaded rat heart cells in vitro by 45.8 and 55.6% compared to control levels when used at concentrations of 160 and 320 µM, respectively. Deferasirox also inhibits proliferation of SAS human oral squamous carcinoma cells (EC50 = 21 µM), decreases cyclin D1 protein levels, and increases protein levels of N-Myc downregulated gene 1 (NDRG1) and NDRG3.

STORAGE TEMPERATURE: -20ºC. Protect from light

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Iron Chelator, Dp44MT (9634)
Deferoxamine Mesylate (1883)
Triapine (B1174)
ML-228 (B2633)

DISCLAIMER: ***FOR RESEARCH USE ONLY! Not to be used on humans.***