



Product Information

Product ID D1621

CAS No. 201530-41-8

Chemical Name 4-[3,5-Bis(2-hydroxyphenyl)-1,2,4-triazol-1-yl]- benzoic Acid

Synonym ICL670A, CGP 72 670

Formula C₂₁H₁₅N₃O₄

Formula Wt. 373.63

Melting Point

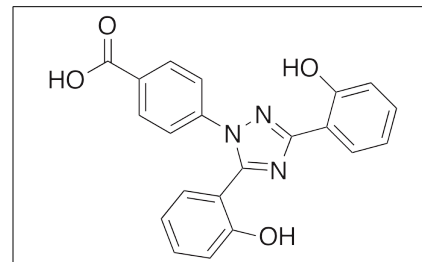
Purity ≥99%

Solubility

Store Temp Ambient

Ship Temp Ambient

Description Deferasirox is an iron chelator commonly used to treat iron-overload disease. Deferasirox also displays both neuroprotective and chemotherapeutic benefit as well. This compound exhibits neuroprotective activity in both in vitro and in vivo models of stroke/ischemia conditions. In vitro, deferasirox increases expression of metastasis suppressing genes, p21, caspase-3, and PARP and decreases levels of cyclin D1 and activity of NF-κB. The ability of deferasirox to inhibit iron uptake decreases tumor growth in animal models of cancer.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
D1621	25 mg	\$101.00
D1621	100 mg	\$370.90
D1621	250 mg	\$718.60

References Vazana-Barad L, Granot G, Mor-Tzuntz R, et al. Mechanism of the antitumoral activity of deferasirox, an iron chelation agent, on mantle cell lymphoma. *Leuk Lymphoma*. 2013 Apr;54(4):851-9. PMID: 23020673.

Lui GY, Obeidy P, Ford SJ, et al. The iron chelator, deferasirox, as a novel strategy for cancer treatment: oral activity against human lung tumor xenografts and molecular mechanism of action. *Mol Pharmacol*. 2013 Jan;83(1):179-90. PMID: 23074173.

Zhao Y, Rempe DA. Prophylactic neuroprotection against stroke: low-dose, prolonged treatment with deferoxamine or deferasirox establishes prolonged neuroprotection independent of HIF-1 function. *J Cereb Blood Flow Metab*. 2011 Jun;31(6):1412-23. PMID: 21245873.

Messa E, Carturan S, Maffè C, et al. Deferasirox is a powerful NF-kappaB inhibitor in myelodysplastic cells and in leukemia cell lines acting independently from cell iron deprivation by chelation and reactive oxygen species scavenging. *Haematologica*. 2010 Aug;95(8):1308-16. PMID: 20534700.

Lindsey WT, Olin BR. Deferasirox for transfusion-related iron overload: a clinical review. *Clin Ther*. 2007 Oct;29(10):2154-66. PMID: 18042472.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.