

Product Information

Deferitricin, Purity $\geq 98\%$

Cat. No.: X24-09-YM1207

Size: 5 mg; 10 mg; 25 mg; 50 mg

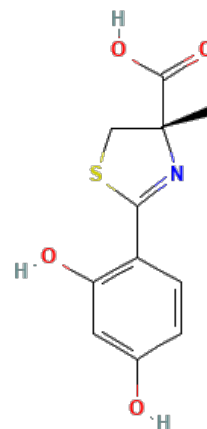
CAS Number: 239101-33-8

Compound CID: 135413558

Synonym: 239101-33-8; GT56-252; GT-56-252;

(4S)-2-(2,4-Dihydroxyphenyl)-4-methyl-5H-1,3-thiazole-4-carboxylic acid

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Deferitricin is the first drug in a class of desferrithiocin-derived hexadentate iron chelators. The molecular weight of the compound is 253.28, and its molecular formula is $C_{11}H_{11}NO_4S$.
Molecular Weight	253.28
Molecular Formula	$C_{11}H_{11}NO_4S$
IUPAC Name	(4S)-2-(2,4-Dihydroxyphenyl)-4-methyl-5H-1,3-thiazole-4-carboxylic acid
InChI	InChI=1S/C11H11NO4S/c1-11(10(15)16)5-17-9(12-11)7-3-2-6(13)4-8(7)14/h2-4,13-14H,5H2,1H3,(H,15,16)/t11-m/s1
InChI Key	OEUFNLIKLCFNLN-LLVKDONJSA-N
Canonical SMILES	CC1(CSC(=N1)C2=C(C=C(C=C2)O)O)C(=O)O
Isomeric SMILES	CCC1=C2CN3C(=C(C4=C(C3=O)COC(=O)[C@@]4(CC)O)N)C2=NC5=CC=CC=C51
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Deferitricin can be studied extensively for its potential therapeutic applications in the treatment of iron overload conditions, such as thalassemia and hemochromatosis.
Storage	Store at -20°C , and keep desiccated.