

Product Data Sheet

Product Name: Ferrioxamine E

Cat. No.: GC40011

Chemical Properties

Cas. No. 20008-20-2

SMILES O=C(NCCCCCN1[O-]2CCC3=[O][Fe+3]24([O]=C1CCC5=O)([O]=C(CC6)N(CCCCCN5)[O-]4)[O-]N3CCCCCNC6=O

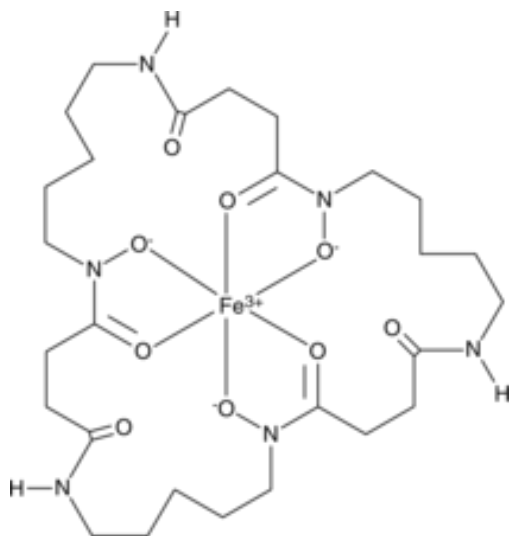
Formula C₂₇H₄₅FeN₆O₉ M.Wt 653.5

Solubility DMSO: soluble, Methanol: soluble Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Ferrioxamine E is a bacterial siderophore produced by a variety of bacteria including *S. glaucescens*, *M. luteus*, and *P. mendocina*. Ferrioxamines, including ferrioxamine E, are the sole iron source for *Salmonella*, and have been used as growth enriching agents in the detection of *Salmonella* in food and industrial applications.

Caution: Product has not been fully validated for medical applications. For research use only.

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