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Product Datasheet

Ferrioxamine E, CAS [[20008-20-2]] FBM-10-5156

Artikelname	Ferrioxamine E, CAS [[20008-20-2]]
Artikelnummer	FBM-10-5156
Hersteller Artikelnummer	10-5156
Alternativnummer	FBM-10-5156-1MG,FBM-10-5156-5MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Siderophore...
Molekulargewicht	653.54
Reinheit	>98% by TLC NMR (Conforms)
Formulierung	Orange solid
CAS Nummer	[20008-20-2]
Formel	C ₂₇ H ₄₅ FeN ₆ O ₉

Anwendungsbeschreibung	Ferrioxamine E (20008-20-2) is a hydroxamate siderophore. Siderophores like Ferrioxamine E make iron easier to access and absorb by cells. Their ability to chelate iron makes them useful in research on iron overload disorders such as hemochromatosis and sickle cell disease.¹ Ferrioxamine E is used to enhance growth of certain bacterial species including <i>Salmonella</i>, <i>Enterobacter sakazakii</i> and <i>Yersinia enterocolitica</i>.² It does not improve growth of <i>Escherichia coli</i>, <i>Shigella</i>, <i>Proteus</i>, <i>Providencia</i> and <i>Morganella</i> species.³ Because siderophores are produced by bacteria as virulence factors, they are useful tools in infectious disease research.⁴
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