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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 <sub>27</sub> H <sub>45</sub> FeN <sub>6</sub> O <sub>9</sub>

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.<sup>1</sup> Ferrioxamine E is used to enhance growth of certain bacterial species including *Salmonella*, *Enterobacter sakazakii* and *Yersinia enterocolitica*.<sup>2</sup> It does not improve growth of *Escherichia coli*, *Shigella*, *Proteus*, *Providencia* and *Morganella* species.<sup>3</sup> Because siderophores are produced by bacteria as virulence factors, they are useful tools in infectious disease research.<sup>4</sup>