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## Product Datasheet

**Ferrioxamine E**  
**FBM-10-5156**

Article Name	Ferrioxamine E
Biozol Catalog Number	FBM-10-5156
Supplier Catalog Number	10-5156
Alternative Catalog Number	FBM-10-5156-1MG,FBM-10-5156-5MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Siderophore...
Molecular Weight	653.54
Purity	>98% by TLC NMR (Conforms)
Form	Orange solid
CAS Number	[20008-20-2]
Formula	C <sub>27</sub> H <sub>45</sub> FeN <sub>6</sub> O <sub>9</sub>
Application Notes	<p>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></p>