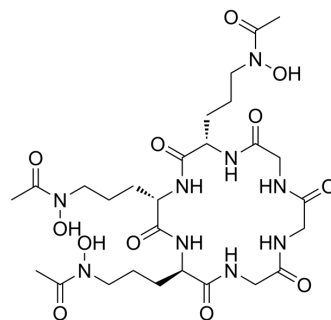


Ferrichrome Iron-free

Cat. No.:	HY-P1997
CAS No.:	34787-28-5
Molecular Formula:	C ₂₇ H ₄₅ N ₉ O ₁₂
Molecular Weight:	687.7
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Ferrichrome is a hydroxamate siderophore produced by various fungi, including *U. sphaerogena*, that facilitates iron chelation and uptake by these organisms. It can be used as a heterosiderophore by bacteria, including *Pseudomonas aeruginosa* and *Vibrio parahaemolyticus*. Ferrichrome (0.8 μM) inhibits concanavalin A-induced proliferation of mouse spleen monocytes and reduces the number of concanavalin A-stimulated CD4+ T cells expressing IL-2 receptor. It also inhibits the heme-catalyzed oxidation of LDL by hydrogen peroxide in a concentration-dependent manner.

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

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