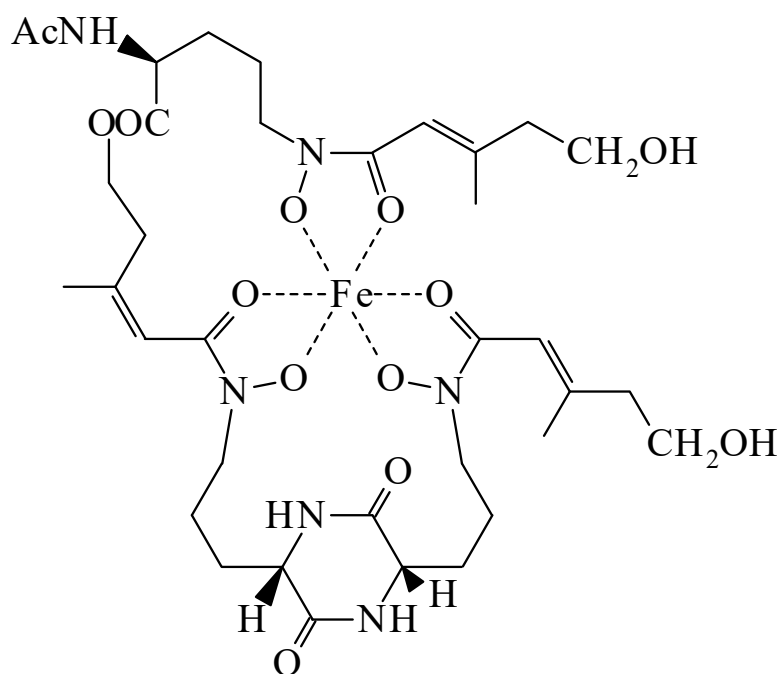




>>Entry Name: Coprogen



CAS Registry Number: 31418-71-0

Related CAS Registry Numbers(s): 1391-13-5 30315-65-2 81559-20-8

Molecular Formula: C₃₅H₅₃FeN₆O₁₃

Molecular Weight: 821.683

Accurate Mass: 821.302003

Percentage Composition: C 51.16%; H 6.50%; Fe 6.80%; N 10.23%; O 25.31%

Biological Source: Isol. from bacteria and fungi incl. *Neurospora crassa* and *Penicillium* spp.

Use/Importance: Siderophore. Microbiol. iron transport compd. Growth factor for coprophilic fungi. Phytotoxin

Physical Description: Red cryst. (EtOH)

Melting Point: Mp 205 dec.°

Solubility: BERDY SOL: Sol. H₂O, MeOH

UV: [neutral] λ_{max} 435 (ε 2809) (MeOH) (Berdy) [neutral] λ_{max} 217 (ε 28840); 250 (ε 16600); 434 (ε 2820); 440 (ε 2951) (H₂O) (Berdy) [neutral] λ_{max} 213 (); 254 (); 450 () (EtOH aq.) (Berdy)

>>Derivative: N-De-Ac

Synonym(s): Coprogen B

CAS Registry Number: 12705-44-1

Molecular Formula: C₃₃H₅₁FeN₆O₁₂

Molecular Weight: 779.646

Accurate Mass: 779.291438

Percentage Composition: C 50.84%; H 6.59%; Fe 7.16%; N 10.78%; O 24.63%

Biological Source: From *Fusarium* spp., *Neurospora crassa* and other fungi

Use/Importance: Siderophore

Solubility: BERDY SOL: Sol. H₂O, MeOH

UV: [neutral] λ_{max} 220 (); 250 (); 440 (ε 2754) (H₂O) (Berdy)

References:

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