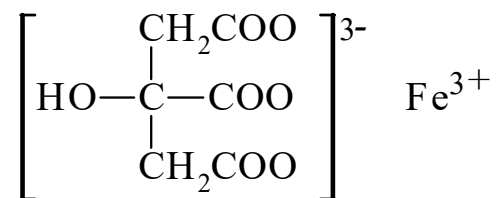




>>Entry Name: Iron(III) citrate

ENTRY UNDER REVIEW

Synonym(s): Ferric citrate, INN, JAN. Iron(III) 2-hydroxy-1,2,3-propanetricarboxylate



CAS Registry Number: 3522-50-7

Related CAS Registry Numbers(s): 54063-42-2

Extra CAS Registry Numbers(s): 28633-45-6

Molecular Formula: C₆H₅FeO₇

Molecular Weight: 244.948

Accurate Mass: 244.938469

Percentage Composition: C 29.42%; H 2.06%; Fe 22.80%; O 45.72%

Use/Importance: Haematinic. ⁵⁹Fe labelled compd. used as a radiopharmaceutical

Physical Description: Light-sensitive red scales or brown powder

Sigma: F3388

>>Derivative: Pentahydrate

CAS Registry Number: 6043-74-9

Source/Synthesis: Synth. from Fe₂O₃.nH₂O + citric acid

Use/Importance: Used for blueprint photography

Physical Description: Light-sensitive red brown

Solubility: Insol. EtOH; sol. H₂O

Other Data: Composition varies

>>Derivative: Triqua complex

References:

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Stolzenberg, A.M., Kirk-Othmer Encycl. Chem. Technol., 4th edn., Wiley, 1991, **14**, 876

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