



>>Entry Name: Iron(II) lactate

ENTRY UNDER REVIEW

Synonym(s): Iron(II) 2-hydroxypropanoate. Ferrous lactate. Ferro-Drops

CAS Registry Number: 5905-52-2

$\text{Fe}[\text{OOCCH}(\text{OH})\text{CH}_3]_2$

Molecular Formula: $\text{C}_6\text{H}_{10}\text{FeO}_6$

Molecular Weight: 233.988

Accurate Mass: 233.982679

Percentage Composition: C 30.80%; H 4.31%; Fe 23.87%; O 41.03%

Use/Importance: Used to increase strength of cement. Used in thermochromic inks

Biological Use/Importance: Antianaemic agent. Lipase inhibitor. Mineral supplement

Fluka: 44953

>>Derivative: Trihydrate

Source/Synthesis: Synth. from FeSO_4 + lactate or from aq. lactic acid + iron filings

Use/Importance: Food supplement

Physical Description: Deliquescent, light-sensitive green cryst.

Solubility: Sol. H_2O ; insol. EtOH

References:

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Takashima, Y. *et al.*, *Bull. Chem. Soc. Jpn.*, 1965, **38**, 1688, (Mössbauer)

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