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Product Information

Iron(III) chloride

Product Number **F7134**
Store at Room Temperature

Product Description

Molecular Formula: FeCl₃
Molecular Weight: 162.2
CAS Number: 7705-08-0
Synonyms: ferric chloride, flores martis¹

Ferric chloride occurs in nature as the mineral molysite. It is used in photoengraving, photography, the manufacture of pigments and ink, the chlorination of silver and copper ores, and as a mordant in dyeing and printing textiles.¹ Ferric chloride is also utilized in the synthesis of organic compounds.^{2,3} A procedure has been published on the use of FeCl₃ to protect Nafion®174; membranes from calcification.⁴

FeCl₃ is used in the Mayer's tannic acid/ferric chloride method for staining tissue with observation by light microscopy.^{5,6} Studies of iron uptake and of apoptosis in cultured cells have utilized FeCl₃ as an iron source.^{7,8,9,10}

Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

Preparation Instructions

This product is tested for solubility in water or in 1 M HCl (100 mg/ml), yielding a turbid, yellow/brown/orange solution.

Storage/Stability

This product is light and moisture sensitive. It is advised to keep containers well closed and protected from light.

References

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