



>>Entry Name: Lead(II) hexacyanoferrate(II)

Synonym(s): Lead ferrocyanide. Hexacyanoferrate(4-) lead(2+) salt

CAS Registry Number: 14402-61-0

$\text{Pb}_2\text{Fe}(\text{CN})_6$

Molecular Formula: $\text{C}_6\text{FeN}_6\text{Pb}_2$

Molecular Weight: 626.353

Accurate Mass: 627.906637

Percentage Composition: C 11.51%; Fe 8.92%; N 13.42%; Pb 66.16%

>>Derivative: Trihydrate

Molecular Formula: $\text{C}_6\text{FeH}_6\text{H}_6\text{O}_3\text{Pb}_2$

Molecular Weight: 602.406

Accurate Mass: 603.966838

Percentage Composition: C 11.96%; Fe 9.27%; H 1.00%; H 1.00%; O 7.97%; Pb 68.79%

Physical Description: Yellowish white powder

Solubility: Insol. cold H_2O ; sl. sol. H_2SO_4

Other Data: Loses H_2O at 100°

References:

Seifer, G.B., *Zh. Neorg. Khim.*, 1959, **4**, 1860; 1963, **8**, 2541, (*synth*)

Rock, P.A. *et al.*, *Inorg. Chem.*, 1964, **3**, 1593

Seifer, G.B. *et al.*, *Zh. Neorg. Khim.*, 1965, **10**, 1022

Bellano, A. *et al.*, *Proc. Conf. Appl. Phys. Chem.*, 2nd, 1971, **1**, 165

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