



>>Entry Name: **Iron(II) bromide (FeBr₂)**

Synonym(s): Ferrous bromide

CAS Registry Number: 7789-46-0

FeBr₂

Molecular Formula: Br₂Fe

Molecular Weight: 215.655

Accurate Mass: 213.811611

Percentage Composition: Br 74.10%; Fe 25.90%

Source/Synthesis: Synth. by action of (1) Br₂ vapour on Fe metal (2) HBr(g) on Fe metal

Use/Importance: Starting material for iron(II) compds. Catalyst precursor. Polym. catalyst

Physical Description: Deliquescent yellow or brown cryst.

Melting Point: Mp 684 dec.°

Boiling Point: Bp 967° extrap.

Solubility: V. sol. H₂O; sol. EtOH, Et₂O, MeCN

Other Data: $\mu_{\text{eff}} = 5.7\mu_{\text{B}}$ (295K)

Aldrich: 40083-1

>>Derivative: Dihydrate

>>Derivative: Tetrahydrate

References:

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