



>>Entry Name: Cobalt(II) tetrafluoroborate

Synonym(s): Cobaltous fluoborate

CAS Registry Number: 26490-63-1

Related CAS Registry Numbers(s): 37041-75-1

$\text{Co}(\text{BF}_4)_2$

Molecular Formula: B_2CoF_8

Molecular Weight: 232.542

Accurate Mass: 232.939032

Percentage Composition: B 9.30%; Co 25.34%; F 65.36%

>>Derivative: Hexahydrate

CAS Registry Number: 15684-35-2

Source/Synthesis: Prepd. from CoCO_3 + aq. HBF_4

Use/Importance: Commercially available

Physical Description: Red needles (H_2O)

Solubility: Sol. H_2O , EtOH

Aldrich: 39995-7

References:

Funk, H. *et al.*, *Z. Anorg. Allg. Chem.*, 1926, **155**, 327, (*synth*)

Moss, K.C. *et al.*, *Acta Cryst.*, 1961, **14**, 330, (*cryst struct*)

Maneva, M. *et al.*, *Monatsh. Chem.*, 1976, **107**, 337, (*ir, Raman*)