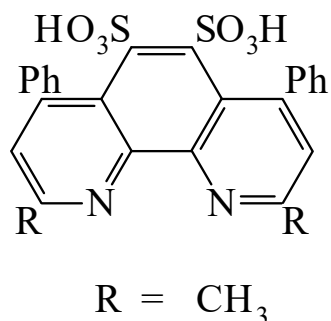




>>Entry Name: Bathocuproinedisulfonic acid

Synonym(s): 2,9-Dimethyl-4,7-diphenyl-1,10-phenanthroline-5,6-disulfonic acid, 9Cl



CAS Registry Number: 52698-84-7

Molecular Formula: $C_{26}H_{20}N_2O_6S_2$

Molecular Weight: 520.586

Accurate Mass: 520.076278

Percentage Composition: C 59.99%; H 3.87%; N 5.38%; O 18.44%; S 12.32%

Aldrich: 14662-5

Fluka: 11870

Sigma: B1125

>>Derivative: Di-Na salt

CAS Registry Number: 58814-68-9

Use/Importance: Used for photometric detn. of Fe, Cu

Physical Description: Hygroscopic light tan cryst. (H_2O)

Solubility: Sol. H_2O

Other Data: Shows blue fluoresc.

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 892C, (ir)

Zak, B., *Clin. Chim. Acta*, 1958, **3**, 328, (use)

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Quarmby, C. *et al.*, *Analyst (London)*, 1967, **92**, 305, (use)

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West, T.S. *et al.*, *The Determination of Trace Metals in Natural Waters*, Blackwell, Oxford, 1988, 52