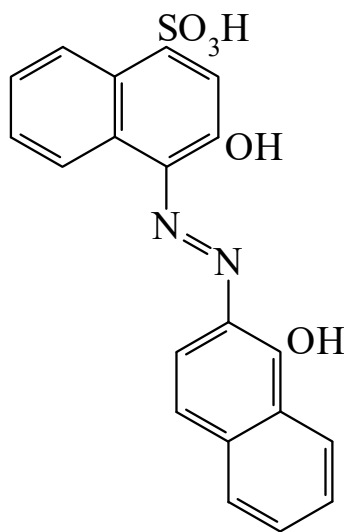




>>Entry Name: Solochrome black 6BN

Synonym(s): 3-Hydroxy-4-[(1-hydroxy-2-naphthalenyl)azo]-1-naphthalenesulfonic acid, 9CI. 1',2'-Dihydroxy-1,2'-azonaphthalene-4-sulfonic acid. Eriochrome blue black B. C.I. Mordant black 3. C.I. 14640



Molecular Formula: C₂₀H₁₄N₂O₅S

Molecular Weight: 394.407

Accurate Mass: 394.062343

Percentage Composition: C 60.91%; H 3.58%; N 7.10%; O 20.28%; S 8.13%

>>Derivative: Na salt

CAS Registry Number: 3564-14-5

Use/Importance: Used as 0.5% soln. in aq. EtOH for photometric detn. of U, Th; as 0.5% MeOH soln. for photometric detn. of Mg

Physical Description: Bluish black cryst. powder

Solubility: Sol. H₂O, EtOH, Me₂CO

Other Data: λ_{max} 528 nm

Aldrich: 20149-9

Fluka: 45540

Sigma: E2252

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 987C, (ir)

Sigma-Aldrich Library of Stains, Dyes and Indicators, 310

Korkisch, J. *et al.*, *Mikrochim. Acta*, 1961, 537, (detn, Th)

Janauer, G.E. *et al.*, *Talanta*, 1962, **9**, detn; 427, (detn, U)

Slegers, G. *et al.*, *Analyst (London)*, 1974, **99**, 471, (detn, Mg)