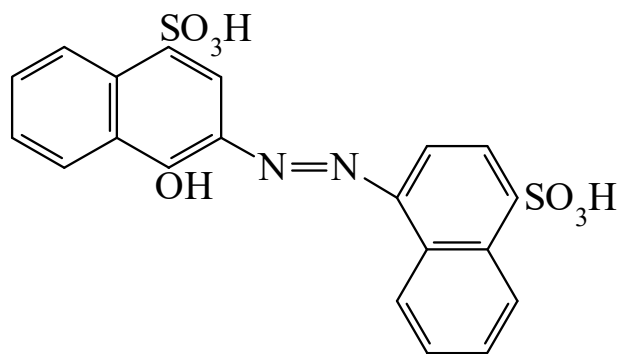




>>Entry Name: Azorubine

Synonym(s): 4-Hydroxy-3-[(4-sulfo-1-naphthalenyl)azo]-1-naphthalenesulfonic acid, 9Cl. C.I. Chromotrope FB. C.I. Acid red 14. C.I. Food red 3. C.I. Mordant blue 79. C.I. 14720. Brilliant carmoisine. Chromotrope FB. Lissamine red W. Nacarat. Many other names



CAS Registry Number: 3567-69-9

Molecular Formula: C₂₀H₁₄N₂O₇S₂

Molecular Weight: 458.472

Accurate Mass: 458.024243

Percentage Composition: C 52.40%; H 3.08%; N 6.11%; O 24.43%; S 13.99%

General Statement: Strictly, the name Azorubine applies to the disodium salt

Use/Importance: Dye. Used in photometric detn. of Mg, Pd, Cu, Sn and Cr. Food colorant

Physical Description: Dark red cryst. powder (as Na salt)

Solubility: Na salt sol H₂O, mod. sol. EtOH, insol. Me₂CO

Other Data: CAS no. refers to Na salt

References:

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Bosch Serrat, F., *An. Quim.*, 1972, **68**, 155; *CA*, **77**, 42752s, (detn, Mg)

Bosch Serrat, F., *Inf. Quim. Anal.*, 1973, **27**, 14; *CA*, **79**, 111414p, (detn, Pd)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn.*, Van Nostrand Reinhold, 1992, HJF500