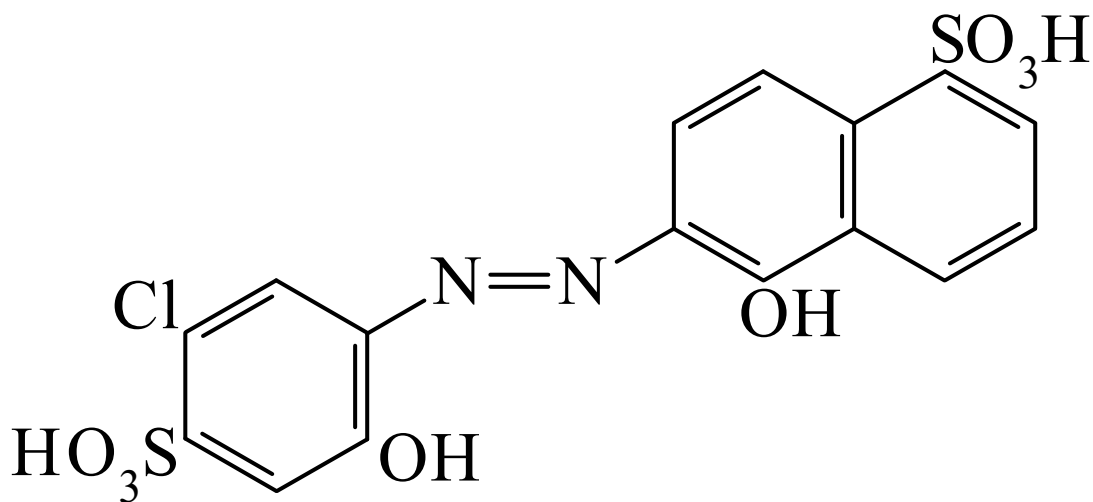




>>Entry Name: 6-(5-Chloro-2-hydroxy-4-sulfophenylazo)-5-hydroxy-1-naphthalenesulfonic acid, 9Cl

Synonym(s): Fast navy 2R. C.I. Mordant blue 9. Acid chrome blue RRA. Calcochrome blue RRL. Chrome blue 2R. Eriochrome violet SB. Omega chrome blue 2R. C.I. 14855



Molecular Formula: C₁₆H₁₁ClN₂O₈S₂

Molecular Weight: 458.856

Accurate Mass: 457.964535

Percentage Composition: C 41.88%; H 2.42%; Cl 7.73%; N 6.11%; O 27.89%; S 13.98%

>>Derivative: Di-Na salt

CAS Registry Number: 3624-68-8

Use/Importance: Used as 0.1% aq. soln. as a metallochromic indicator for titrimetric detn. of Ca, Cd, Mg, Mn, Ni, Pb, Zn

Physical Description: Brown-black cryst. powder

Solubility: Sol. H₂O; sl. sol. EtOH; insol. Me₂CO, Et₂O, CHCl₃

Aldrich: 19521-9

Sigma: M5011

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 982B, (*ir*)

Sigma-Aldrich Library of Stains, Dyes and Indicators, 473

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Bishop, E., *Indicators*, Pergamon, Oxford, 1972