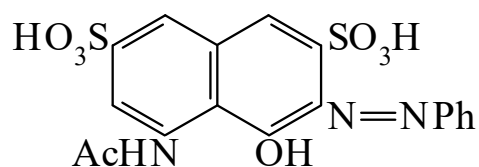




>>Entry Name: Azorhodine 2G

Synonym(s): 5-(Acetylamino)-4-hydroxy-3-(phenylazo)-2,7-naphthalenedisulfonic acid, 9Cl. C.I. Acid red 1. C.I. Food red 10. C.I. 18050. Brilliant acid red G. Fast crimson GR. Naphthazine rose 2G. Solar fast red 3G. Vopsider red ASTR G. Many other names



Molecular Formula: C₁₈H₁₅N₃O₈S₂

Molecular Weight: 465.464

Accurate Mass: 465.030057

Percentage Composition: C 46.45%; H 3.25%; N 9.03%; O 27.50%; S 13.78%

General Statement: Strictly, the name Azorhodine 2G applies to the disodium salt

>>Derivative: Di-Na salt

CAS Registry Number: 3734-67-6

Molecular Formula: C₁₈H₁₃N₃O₈S₂

Molecular Weight: 463.448

Accurate Mass: 463.014407

Percentage Composition: C 46.65%; H 2.83%; N 9.07%; O 27.62%; S 13.84%

Use/Importance: Used for photometric detn. of Pd; as 0.01% soln. in EtOH to give colour reactions with Fe(III), Pd

Physical Description: Dark red cryst.

Solubility: Sol. H₂O; sl. sol. EtOH; insol. Et₂O

Aldrich: 21063-3

Fluka: 11640

Sigma: A2775

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, 2, 984B, (ir)

Sigma-Aldrich Library of Stains, Dyes and Indicators, 29

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Mathur, J.N. *et al.*, *Indian J. Appl. Chem.*, 1970, **33**, 209

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