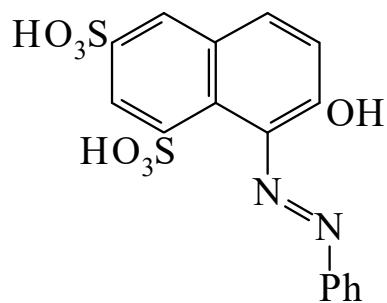




>>Entry Name: Orange G

Synonym(s): 7-Hydroxy-8-phenylazo-1,3-naphthalenedisulfonic acid. C.I. 16230. C.I. Acid orange 10. Wool orange 2G. Hispacid fast orange 2G



Molecular Formula: C₁₆H₁₂N₂O₇S₂

Molecular Weight: 408.412

Accurate Mass: 408.008593

Percentage Composition: C 47.05%; H 2.96%; N 6.86%; O 27.42%; S 15.70%

Physical Description: Deep red cryst. with green reflex

>>Derivative: Di-Na salt

CAS Registry Number: 1936-15-8

Use/Importance: Biological stain

Physical Description: Hygroscopic orange powder

Solubility: Sol. H₂O; sl. sol. EtOH

Aldrich: 19862-5

Fluka: 75380

Sigma: O7252

References:

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

Sigma-Aldrich Library of Stains, Dyes and Indicators, 539

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Drew, H.D.K. *et al.*, *J.C.S.*, 1938, 298, (*use*)

Colour Index, 3rd Edn, 1971, 4, 4094, (*synth*)

Sigma-Aldrich Library of Chemical Safety Data, 1988, 2, 2655D

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn., Van Nostrand Reinhold*, 1992, HGC000