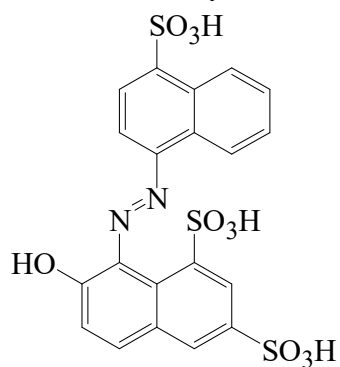




>>Entry Name: New Coccine

Synonym(s): 7-Hydroxy-8-[(4-sulfo-1-naphthalenyl)azo]-1,3-naphthalenedisulfonic acid, 9Cl. Acid Scarlet 3R. Brilliant Ponceau 3R. Brilliant Scarlet 3R. Coccine. Cochineal Red A. Food Red No. 102. Naphthalene Scarlet 4R. Neucoccin. Ponceau 4R. Strawberry Red. C.I. Acid Red 18. C.I. Food Red 7. C.I. 16255



CAS Registry Number: 7244-14-6

Extra CAS Registry Numbers(s): 2611-82-7

Molecular Formula: C₂₀H₁₄N₂O₁₀S₃

Molecular Weight: 538.536

Accurate Mass: 537.981058

Percentage Composition: C 44.61%; H 2.62%; N 5.20%; O 29.71%; S 17.86%

Use/Importance: Synthetic food colouring

Physical Description: Bright red powder (as tri-Na salt)

Aldrich: 19973-7

Sigma: N6882

References:

Colour Index, 3rd edn., 1971, **4**, 4074, (*synth*)

Pearson, D., *J. Assoc. Public Anal.*, 1973, **11**, 135-138, (*chromatog*)

Meyer, O. *et al.*, *Toxicology*, 1975, **5**, 201-207, (*tox*)

Gelbcke, M. *et al.*, *Anal. Lett.*, 1980, **13**, 975-984, (*cmr*)

Fogg, A.G. *et al.*, *Analyst (London)*, 1981, **106**, 883-889; 1986, **111**, 831-835, (*anal*)

Yamada, M. *et al.*, *Chem. Pharm. Bull.*, 1998, **46**, 494-499, (*hplc, pmr, cmr*)