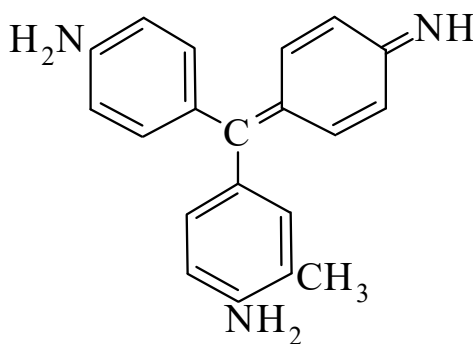




>>Entry Name: Rosaniline

Synonym(s): 4-[(4-Aminophenyl)(4-imino-2,5-cyclohexadien-1-ylidene)methyl]-2-methylbenzenamine, 9Cl. C.I. Basic Violet 14. Basic magenta. C.I. 42510. Fuchsine base



CAS Registry Number: 3248-93-9

Molecular Formula: C₂₀H₁₉N₃

Molecular Weight: 301.39

Accurate Mass: 301.157897

Percentage Composition: C 79.70%; H 6.35%; N 13.94%

Use/Importance: Used as a dye or in the manuf. of dyestuffs. Possesses antifungal and antibacterial props.

Physical Description: Brown-red cryst.

Other Data: Dec. at 186°

Hazard & Toxicity: Human skin irritant

>>Derivative: Hydrochloride

Synonym(s): Fuchsine. Magenta I

CAS Registry Number: 632-99-5

Use/Importance: Used as aq. soln. for extraction-photometric detn. of Br⁽⁻⁾, Re(VII) and Au (λ_{max} 555 nm, ϵ 88000). Biol. stain. Commercially available. A decolorised soln. is used in the Schiff colorimetric test for aldehydes

Physical Description: Metallic green cryst.

Melting Point: Mp 250 dec.°

Other Data: Dec. >200°

Hazard & Toxicity: Possible human carcinogen (containing Tris(4-aminophenyl)methanol BJB78-B

Aldrich: 86202-9

Fluka: 47860

Sigma: R5126

References:

Aldrich Library of Infrared Spectra, 3rd edn., 1981, 1488H, (ir)

Sigma-Aldrich Library of Stains, Dyes and Indicators, 129

Fischer, E. *et al.*, *Ber.*, 1880, **13**, 2204, (synth)

Scanlan, J.T., *J.A.C.S.*, 1935, **57**, 887, (synth)

Michaelis, L. *et al.*, *J.A.C.S.*, 1943, **67**, 1212, (struct)

Hunter, G. *et al.*, *Analyst (London)*, 1954, **79**, 467, (detn, Br)

Beyermann, K., *Fresenius' Z. Anal. Chem.*, 1961, **183**, 91, (detn, Re)

Colour Index, 3rd Edn., 1971, **4**, 4389, (synth)

Joy, E.F. *et al.*, *Anal. Chem.*, 1973, **45**, 856, (detn, Br)

Popa, G. *et al.*, *Rev. Chim. (Bucharest)*, 1977, **28**, 64, (detn, Au)

Kish, P.P. *et al.*, *Zh. Anal. Khim.*, 1983, **38**, 2012, (detn, Re)

Sigma-Aldrich Library of Chemical Safety Data, 1988, **1**, 339A

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 799

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, MAC250; MAC500