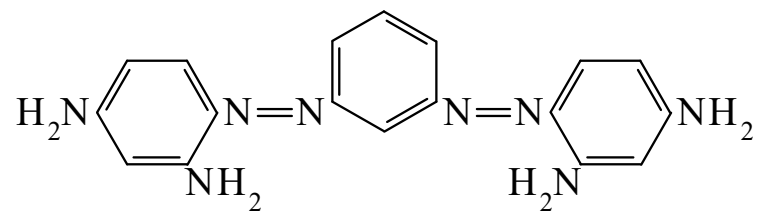




>>Entry Name: Bismarck brown

Synonym(s): 4,4'-[1,3-Phenylenebis(azo)]bis-1,3-benzenediamine, 9Cl. 1,3-Bis(2,4-diaminophenylazo)benzene. C.I. 21000. C.I. Basic brown 1



CAS Registry Number: 1052-38-6

Molecular Formula: $C_{18}H_{18}N_8$

Molecular Weight: 346.394

Accurate Mass: 346.165442

Percentage Composition: C 62.41%; H 5.24%; N 32.35%

Fluka: 15000

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 10114-58-6

Use/Importance: Textile dye. Used as a 0.01% soln. in EtOH to give colour reaction with Pd; biological stain

Physical Description: Blackish-brown powder

Solubility: V. sol. H_2O ; sl. sol. EtOH; prac. insol. Me_2CO , C_6H_6 , CCl_4

Aldrich: 19843-9

Fluka: 14990

Sigma: B5263

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 979C, (ir)

Sigma-Aldrich Library of Stains, Dyes and Indicators, 144

Welcher, F.J., *Organic Analytical Reagents*, 1948, 339, (synth)

Popa, G. *et al.*, *Zh. Anal. Khim.*, 1959, **14**, 322, (detn, Pd)

Colour Index, 3rd Edn., 1971, **4**, 4154, (synth)

Saber, T.M. *et al.*, *CA*, 1973, **79**, 77753, (props)