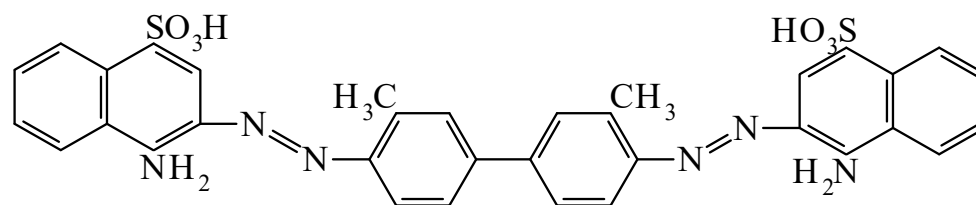




>>Entry Name: Benzopurpurine 4B

Synonym(s): 3,3'-[(3,3'-Dimethyl[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[4-amino-1-naphthalenesulfonic acid], 9Cl. C.I. Direct red 2. C.I. 23500



Molecular Formula: C₃₄H₂₈N₆O₆S₂

Molecular Weight: 680.764

Accurate Mass: 680.151174

Percentage Composition: C 59.99%; H 4.15%; N 12.34%; O 14.10%; S 9.42%

General Statement: Strictly, the name Benzopurpurine 4B applies to the disodium salt

>>Derivative: Di-Na salt

CAS Registry Number: 992-59-6

Use/Importance: Used for photometric detn. of Pd (λ_{max} 610 nm)

Physical Description: Red cryst. (H₂O)

Solubility: Sol. EtOH, Me₂CO, H₂O; insol. C₆H₆, CCl₄

Aldrich: 22882-6

Rare Chemicals Library: S56756-6

Sigma: B0761

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 994A, (*ir*)

Sigma-Aldrich Library of Stains, Dyes and Indicators, 135

Baiulescu, G. *et al.*, *An. Univ. Bucuresti, Chim.*, 1970, **19**, 107; *CA*, **75**, 136759k