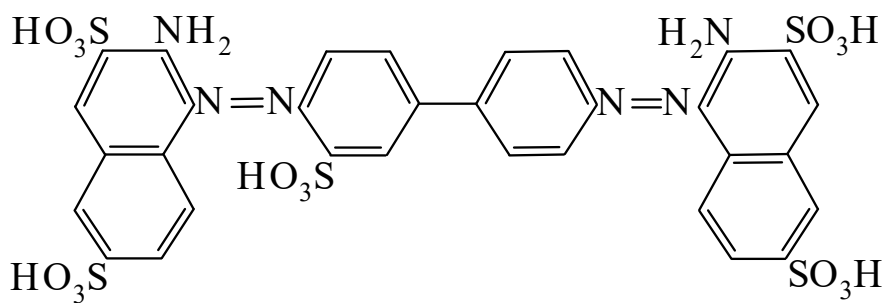




>>Entry Name: Trypan red

Synonym(s): 4,4'-[(3-Sulfo[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[3-amino-2,7-naphthalenedisulfonic acid], 9Cl. C.I. 22850



Molecular Formula: C₃₂H₂₄N₆O₁₅S₅

Molecular Weight: 892.903

Accurate Mass: 891.990319

Percentage Composition: C 43.05%; H 2.71%; N 9.41%; O 26.88%; S 17.96%

Use/Importance: Biological stain, veterinary trypanocide

Solubility: Sol. H₂O

Calculated Log P Data: Log P -0.49 (calc)

>>Derivative: Penta-Na salt

CAS Registry Number: 574-64-1

Use/Importance: Used as adsorption fluorescent indicator for detn. of Br⁽⁻⁾, Cl⁽⁻⁾, I⁽⁻⁾, SCN⁽⁻⁾

Physical Description: Reddish-brown powder

Solubility: Sol. H₂O; prac. insol. EtOH

Rare Chemicals Library: S44562-2

References:

Krauss, R.B. *et al.*, *J.A.C.S.*, 1914, **36**, 961, (*synth*)

Colour Index, 3rd Edn., 1971, **4**, 4181, (*synth*)

Bishop, E., *Indicators*, Pergamon, Oxford, 1972, 444, (*use*)

Thoma, K. *et al.*, *Pharm. Ind.*, 1975, **37**, 455, (*anal*)