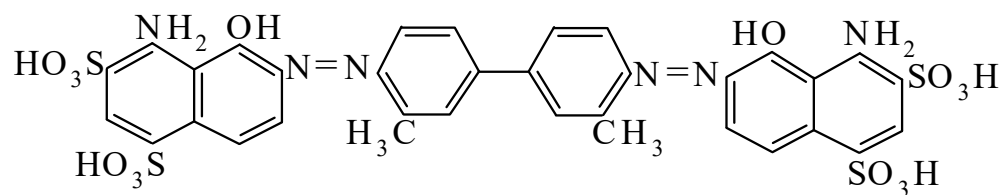




>>Entry Name: Azovan blue, BAN

Synonym(s): 6,6'-[3,3'-Dimethyl(1,1'-biphenyl)-4,4'-diyl]bis(azo)bis[4-amino-5-hydroxy-1,3-naphthalenedisulfonic acid], 9CI. Chlorazol sky blue FF. C.I. Direct blue 53. Diamine sky blue FF. Evablin. **Evans blue**, USAN. T 1824



CAS Registry Number: 314-13-6

Related CAS Registry Numbers(s): 6968-33-8

Molecular Formula: C₃₄H₂₈N₆O₁₄S₄

Molecular Weight: 872.891

Accurate Mass: 872.054634

Percentage Composition: C 46.78%; H 3.23%; N 9.63%; O 25.66%; S 14.69%

General Statement: Commonly used as tetra-Na salt

Use/Importance: Diagnostic aid for measurement of blood volume. Dyestuff. Used as 0.04% aq. soln. in photometric detn. of Mg

Physical Description: Blue cryst. with brown/green lustre

Solubility: Sol. H₂O, EtOH, acid, alkalis

Hazard & Toxicity: LD₅₀ (mus, ipr) 340 mg/kg. Exp. reprod. and teratogenic effects

Aldrich: 20633-4

Fluka: 46160

Rare Chemicals Library: S56784-1

Sigma: E2129

References:

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Gloria, T.S., *Rev. Bras. Farm.*, 1973, **54**, 55, (pharmacol)

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