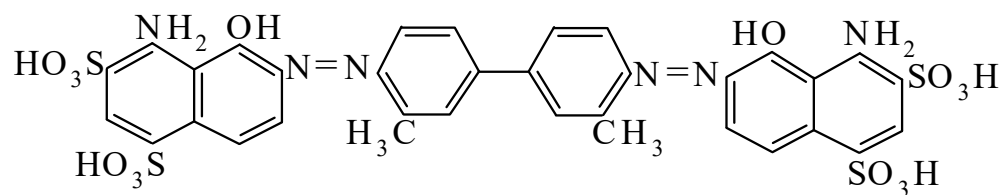




>>Entry Name: Azovan blue, BAN

**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:** C<sub>34</sub>H<sub>28</sub>N<sub>6</sub>O<sub>14</sub>S<sub>4</sub>

**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. H<sub>2</sub>O, EtOH, acid, alkalis

**Hazard & Toxicity:** LD<sub>50</sub> (mus, ipr) 340 mg/kg. Exp. reprod. and teratogenic effects

**Aldrich:** 20633-4

**Fluka:** 46160

**Rare Chemicals Library:** S56784-1

**Sigma:** E2129

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