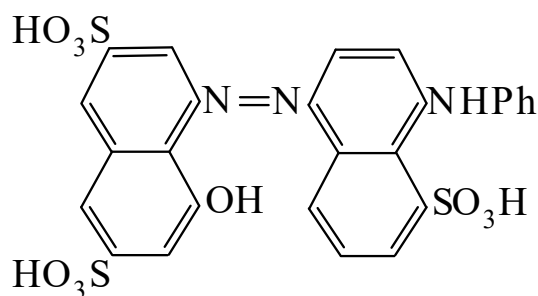




>> **Name: Anazolene**

**Synonym(s):** 4-Hydroxy-5-[[4-(phenylamino)-5-sulfo-1-naphthalenyl]azo]-2,7-naphthalenedisulfonic acid, 9Cl. C.I. Acid blue 92, 8Cl. Coomassie blue RL. Fast wool blue B. Fast acid blue RH. C.I. 13390



**CAS Registry Number:** 7488-76-8

**Molecular Formula:** C<sub>26</sub>H<sub>19</sub>N<sub>3</sub>O<sub>10</sub>S<sub>3</sub>

**Molecular Weight:** 629.648

**Accurate Mass:** 629.023257

**Percentage Composition:** C 49.60%; H 3.04%; N 6.67%; O 25.41%; S 15.28%

**Calculated Log P Data:** Log P 2.4 (calc)

>> **Derivative:** Tri-Na salt

**Synonym(s):** Anazolene sodium, INN, USAN. Sodium anoxynaphthionate, BAN

**CAS Registry Number:** 3861-73-2

**Use/Importance:** Dye used for detn. of blood volume and cardiac output. Acid-base indicator (pH<sub>1/2</sub> 11.22; colour change: blue→pink)

**Physical Description:** Blue cryst.

**Solubility:** Sol. H<sub>2</sub>O, 2-ethoxyethanol; sl. sol. EtOH

**Other Data:** λ<sub>max</sub> 571 nm (H<sub>2</sub>O)

**Hazard & Toxicity:** LD<sub>50</sub> (mus, ivn) 450mg/kg

**Aldrich:** 21042-0

#### References:

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