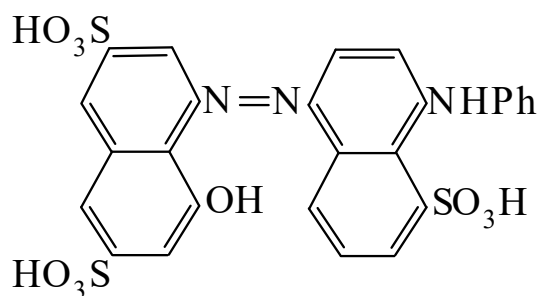




>>Entry Name: Anazolene

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: C₂₆H₁₉N₃O₁₀S₃

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%

General Statement: Strictly the C.I. names refer to the trisodium salt

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_{1/2} 11.22; colour change: blue→pink)

Physical Description: Blue cryst.

Solubility: Sol. H₂O, 2-ethoxyethanol; sl. sol. EtOH

Other Data: λ_{max} 571 nm (H₂O)

Hazard & Toxicity: LD₅₀ (mus, ivn) 450mg/kg

Aldrich: 21042-0

References:

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