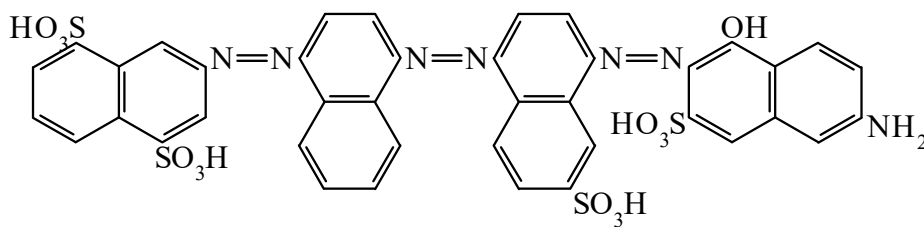




>>Entry Name: Eliamina blue FFL

Synonym(s): 3-[[4-[[4-[(6-Amino-1-hydroxy-3-sulfo-2-naphthalenyl)azo]-6-sulfo-1-naphthalenyl]azo]-1-naphthalenyl]azo]-1,5-naphthalenedisulfonic acid, 9CI. C.I. Direct blue. Direct light blue MFL. Chlorantine fast blue. Helion blue BRRL. Pyrazol fast blue BS. Solar blue G. Triantine light blue FRL. Viosol blue BRR. C.I. 34140. Many other names



Molecular Formula: C₄₀H₂₇N₇O₁₃S₄

Molecular Weight: 941.956

Accurate Mass: 941.054968

Percentage Composition: C 51.00%; H 2.89%; N 10.41%; O 22.08%; S 13.62%

General Statement: Strictly the name Eliamina blue FFL refers to the tetrasodium salt

>>Derivative: Tetra-Na salt

CAS Registry Number: 4399-55-7

Type of Compound Code(s): PA4650 PM6100 PS7800

Use/Importance: Indicator used as a 0.2% soln. in 5% EtOH for titrimetric detn. of Th

Physical Description: Dark red cryst. powder

Solubility: Sl. sol. H₂O; v. spar. sol. EtOH

Other Data: λ_{max} 594 nm (H₂O)

Aldrich: 21240-7

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, 2, 992C, (ir)

Sigma-Aldrich Library of Stains, Dyes and Indicators, 268

Zaki, M.R. *et al.*, *Fresenius' Z. Anal. Chem.*, 1960, **174**, 274, (*detn, Th*)

Colour Index, 3rd Edn., 1971, **4**, 4318, (*synth*)