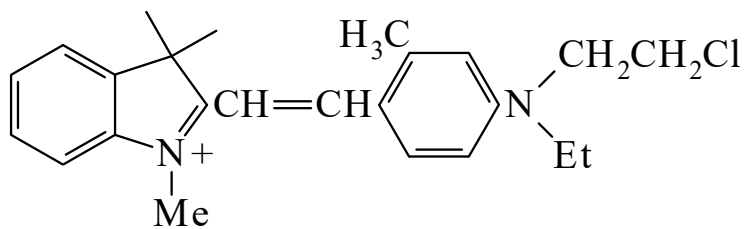




>>Entry Name: Astrazon red 6B

Synonym(s): 2-[2-[4-[(2-Chloroethyl)ethylamino]-2-methylphenyl]ethenyl]-1,3,3-trimethyl-3*H*-indolium(1+), 9Cl. C.I. Basic violet 7. C.I. 48020. Aizen cathilon red 6BH. Atacryl red 6B. Catacryl red 6B. Stenacrile brilliant red 6B. Sumiacryl red N6B



CAS Registry Number: 6441-82-3

Molecular Formula: C₂₄H₃₀ClN₂⁽⁺⁾

Molecular Weight: 381.967

Accurate Mass: 381.20975

Percentage Composition: C 75.47%; H 7.92%; Cl 9.28%; N 7.33%

General Statement: Methine basic dye. Strictly, the name Astrazon red 6B applies to the chloride

>>Derivative: Chloride

Molecular Formula: C₂₄H₃₀Cl₂N₂

Molecular Weight: 417.42

Accurate Mass: 416.178602

Percentage Composition: C 69.06%; H 7.24%; Cl 16.99%; N 6.71%

Use/Importance: Used as 0.05% EtOH soln. in extraction-photometric detn. of Tl(*III*)

Physical Description: Dark violet cryst. powder

Solubility: Sol. EtOH; spar. sol. H₂O

References:

Colour Index, 3rd Edn, 1971, **4**, 4438

Constantinescu, C. *et al.*, *Rev. Chim. (Bucharest)*, 1981, **32**, 477; *CA*, **95**, 180184f