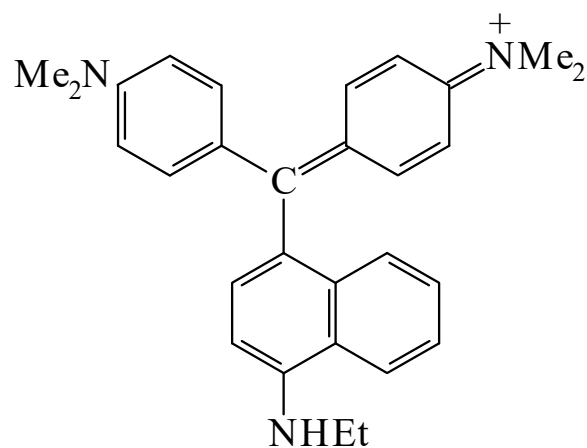




>>Entry Name: *N*-[4-[[4-(Dimethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-*N*-methylnmethanaminium(1+), 9Cl
Synonym(s): Basic blue K. Basic blue 11. Victoria blue R. C.I. 44040



Molecular Formula: C₂₉H₃₂N₃⁽⁺⁾

Molecular Weight: 422.592

Accurate Mass: 422.259622

Percentage Composition: C 82.42%; H 7.63%; N 9.94%

General Statement: Strictly, the name Basic blue K applies to the chloride

>>Derivative: Chloride

CAS Registry Number: 2185-86-6

Type of Compound Code(s): PS8300 PM7300 PA5010 PA2700 PA1920 PA0570 PS7700

Molecular Formula: C₂₉H₃₂ClN₃

Molecular Weight: 458.045

Accurate Mass: 457.228474

Percentage Composition: C 76.04%; H 7.04%; Cl 7.74%; N 9.17%

Use/Importance: Used as a 0.1mM soln. in 20% EtOH for extraction-photometric detn. of Au, Ga, Mo, Sb, Tl, Br⁽⁻⁾, I⁽⁻⁾, NO₂⁽⁻⁾

Physical Description: Dark bluish cryst. (EtOH)

Solubility: V. sol. EtOH; sol. hot H₂O

Aldrich: 23417-6

Sigma: V3629

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 1034A, (ir)

Sigma-Aldrich Library of Stains, Dyes and Indicators, 729

Podberezskaya, N.K. *et al.*, *Zavod. Lab.*, 1966, **32**, 918, (detn. iodide)

Narushkyavichyus, L.R. *et al.*, *Zh. Anal. Khim.*, 1971, **26**, 922, (detn. Au, Ga, Mo, Sb, Tl, Br⁽⁻⁾, NO₂⁽⁻⁾)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, VKA600