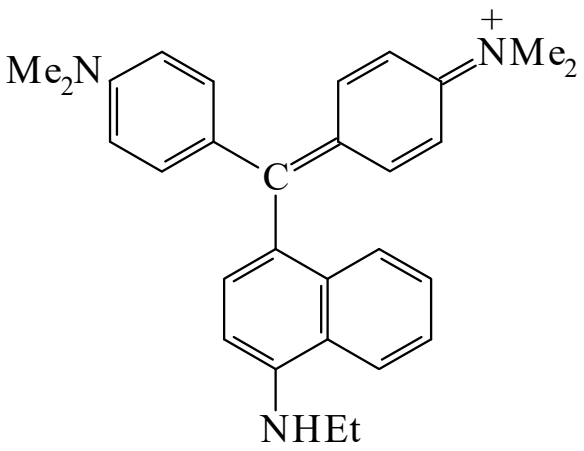
>>**Entry Name:** ***N*-[4-[[4-(Dimethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-*N*-methylmethanaminium(1+),** 9Cl
Synonym(s): Basic blue K. Basic blue 11. Victoria blue R. C.I. 44040



Molecular Formula: $C_{29}H_{32}N_3^{(+)}$
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: $C_{29}H_{32}ClN_3$
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 0.1m*M* soln. in 20% EtOH for extraction-photometric detn. of Au, Ga, Mo, Sb, Tl, $Br^{(-)}$, $I^{(-)}$, $NO_2^{(-)}$
Physical Description: Dark bluish cryst. (EtOH)
Solubility: V. sol. EtOH; sol. hot H_2O

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, $Br^{(-)}$, $NO_2^{(-)}$)*
Lewis, R.J.*, Sax's Dangerous Properties of Industrial Materials, 8th edn., Van Nostrand Reinhold*, 1992, VKA600