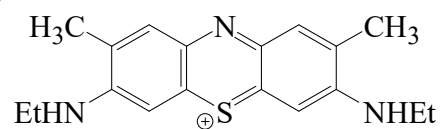




>>Entry Name: 3,7-Bis(ethylamino)-2,8-dimethylphenothiazin-5-ium(1+), 9Cl

Synonym(s): Basic Blue 24, 8Cl. Methylene Blue N. New Methylene Blue N. C.I. 52030



CAS Registry Number: 10309-89-4

Extra CAS Registry Numbers(s): 1934-16-3

Molecular Formula: $C_{18}H_{22}N_3S^{(+)}$

Molecular Weight: 312.458

Accurate Mass: 312.153442

Percentage Composition: C 69.19%; H 7.10%; N 13.45%; S 10.26%

>>Derivative: $ZnCl_2$ complex (2:1)

CAS Registry Number: 6586-05-6

Use/Importance: Spray reagent for estimation of heparin by paper chromatography

Physical Description: Dark green cryst.

References:

U.S. Pat., 1892, 469 329, (*synth*)

Colour Index, 3rd edn., 1971, **4**, 4471, (*props, bibl*)

Chen, W. *et al.*, *Clin. Chem. (Winston-Salem, N.C.)*, 1999, **37**, 832-837, (*use, complex*)