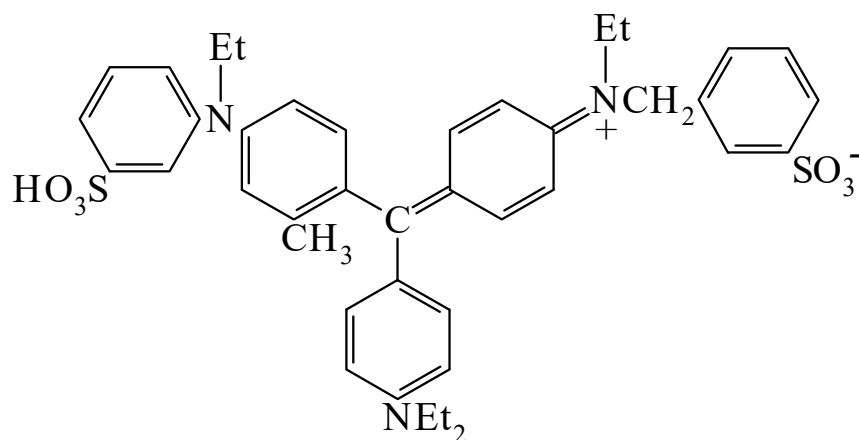




>>Entry Name: Xylene brilliant blue FBR

Synonym(s): *N*-[4-[[4-(Diethylamino)phenyl][4-[ethyl[(3-sulfophenyl)methyl]amino]-2-methylphenyl]methylene]-3-methyl-2,5-cyclohexadien-1-ylidene]-*N*-ethyl-3-sulfobenzenemethanaminium hydroxide inner salt, 9CI. C.I. Acid blue 104. C.I. 42735



Molecular Formula: C₄₁H₄₄N₃O₆S₂

Molecular Weight: 738.947

Accurate Mass: 738.267152

Percentage Composition: C 66.64%; H 6.00%; N 5.69%; O 12.99%; S 8.68%

>>Derivative: Na salt

CAS Registry Number: 6505-30-2

Use/Importance: Used as a 0.1% aq. soln. as redox indicator

Physical Description: Cryst.

Solubility: Sol. H₂O, EtOH, alkalis, acids

References:

Brazier, J.N. *et al.*, *Anal. Chim. Acta*, 1965, **33**, 625, (*use*)

Bishop, E., *Indicators*, Pergamon, Oxford, 1972, (*use*)