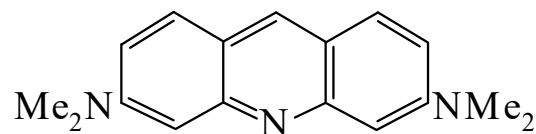




>>Entry Name: 3,6-Bis(dimethylamino)acridine, 8Cl

Synonym(s): *N,N,N',N'*-Tetramethyl-3,6-acridinediamine, 9Cl. C.I. Solvent orange 15. Acridine orange. Euchrysine



CAS Registry Number: 494-38-2

Related CAS Registry Numbers(s): 10127-02-3

Molecular Formula: C₁₇H₁₉N₃

Molecular Weight: 265.357

Accurate Mass: 265.157897

Percentage Composition: C 76.95%; H 7.22%; N 15.84%

Use/Importance: Histochemical stain. A DNA intercalator

Physical Description: Yellow needles (EtOH)

Melting Point: Mp 180-181°

Solubility: Sol. EtOH, Me₂CO

Hazard & Toxicity: Mutagenic props. LD₅₀ (mus, scu) 250 mg/kg

Aldrich: 23547-4

Sigma: A6529

>>Derivative: Hydrochloride

Synonym(s): C.I. Basic orange 14. C.I. 46005

CAS Registry Number: 65-61-2

Use/Importance: Used in extraction-photometric detn. of Re, Ta

Other Data: Orange-yellow soln. with green fluorescence in H₂O and EtOH

Aldrich: 31833-7

Fluka: 1662

Sigma: A4921

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