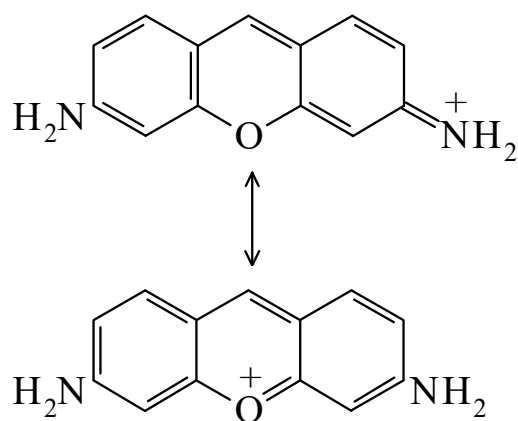




>>Entry Name: 3,6-Diaminoxanthylum(1+)



CAS Registry Number: 77969-76-7

Molecular Formula: C₁₃H₁₁N₂O⁽⁺⁾

Molecular Weight: 211.243

Accurate Mass: 211.087138

Percentage Composition: C 73.92%; H 5.25%; N 13.26%; O 7.57%

>>Derivative: *N,N,N',N'*-Tetra-Me

Synonym(s): *N*-[6-(Dimethylamino)-3*H*-xanthen-3-ylidene]-*N*-methylethanaminium(1+), 9Cl. Pyronine G. Pyronine Y. C.I. 45005 Basic dye

CAS Registry Number: 17817-77-5

Molecular Formula: C₁₇H₁₉N₂O⁽⁺⁾

Molecular Weight: 267.35

Accurate Mass: 267.149738

Percentage Composition: C 76.37%; H 7.16%; N 10.48%; O 5.98%

>>Derivative: *N,N,N',N'*-Tetra-Me, chloride

CAS Registry Number: 92-32-0

Molecular Formula: C₁₇H₁₉ClN₂O

Molecular Weight: 302.803

Accurate Mass: 302.11859

Percentage Composition: C 67.43%; H 6.32%; Cl 11.71%; N 9.25%; O 5.28%

Use/Importance: Used as 1mM aq. soln. for photometric detn. of Sb, Cd, Au(III) (CHCl₃, C₆H₆, PhCl). Biological stain

Physical Description: Violet cryst. powder or lustrous green cryst.

Melting Point: Mp 250-260°

Solubility: Sol. H₂O, EtOH

Aldrich: 21352-7

Fluka: 83200

Sigma: P7017

>>Derivative: *N,N,N',N'*-Tetra-Et

Synonym(s): 3,6-Bis(diethylamino)xanthylum(1+). *N*-[6-(Diethylamino)-3*H*-xanthen-3-ylidene]-*N*-ethylethanaminium(1+), 9Cl

CAS Registry Number: 62669-68-5

Molecular Formula: C₂₁H₂₇N₂O⁽⁺⁾

Molecular Weight: 323.457

Accurate Mass: 323.212338

Percentage Composition: C 77.98%; H 8.41%; N 8.66%; O 4.95%