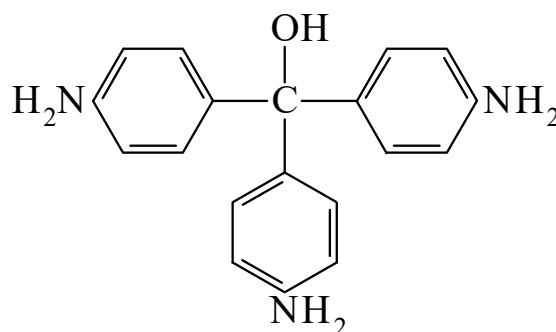




>>Entry Name: Tris(4-aminophenyl)methanol

Synonym(s): 4-Amino- α,α -bis(4-aminophenyl)benzenemethanol, 9Cl. 4,4',4''-Triaminotriphenylcarbinol. Pararosaniline base. C.I. 42500. C.I. Basic red 9. Magenta 0. Basic parafuchsin



CAS Registry Number: 467-62-9

Related CAS Registry Numbers(s): 25620-78-4

Molecular Formula: C₁₉H₁₉N₃O

Molecular Weight: 305.379

Accurate Mass: 305.152812

Percentage Composition: C 74.73%; H 6.27%; N 13.76%; O 5.24%

Use/Importance: Used as 0.16% soln. in dil. HCl for photometric detn. of SO₃²⁽⁻⁾ ($\lambda_{\max}$ 560 nm, ϵ 30000), O₃, SCN⁽⁻⁾ (dec. to S(IV))

Physical Description: Purple cryst.

Melting Point: Mp *ca.* 205°

pKa Value: pK_{a1} 7.57; pK_{a2} 13

Aldrich: 21560-0

Fluka: 76248

Rare Chemicals Library: S26544-6

>>Derivative: 4,4'-Methylenebis(3-hydroxy-2-naphthoate) salt (2:1)

Synonym(s): Pararosaniline pamoate, USAN. Pararosaniline embonate, INN. C.I. 403A. CN 15575-23A. NSC 107529. PS 1286

CAS Registry Number: 7232-51-1

Use/Importance: Antischistosomal

Physical Description: Solid + 3H₂O

Development Status: Never marketed

>>Derivative: 4,4',4''-Tri-*N*-Ac

Molecular Formula: C₂₅H₂₅N₃O₄

Molecular Weight: 431.49

Accurate Mass: 431.184507

Percentage Composition: C 69.59%; H 5.84%; N 9.74%; O 14.83%

Physical Description: Cryst. (Me₂CO/Et₂O)

Melting Point: Mp 192°

>>Derivative: Me ether

Molecular Formula: C₂₀H₂₁N₃O

Molecular Weight: 319.405

Accurate Mass: 319.168462

Percentage Composition: C 75.21%; H 6.63%; N 13.16%; O 5.01%

Physical Description: Cryst. + 1Et₂O (Et₂O), cryst. + 1C₆H₆ (C₆H₆)

Melting Point: Mp 105° (Et₂O). Mp 135° (C₆H₆)

References: