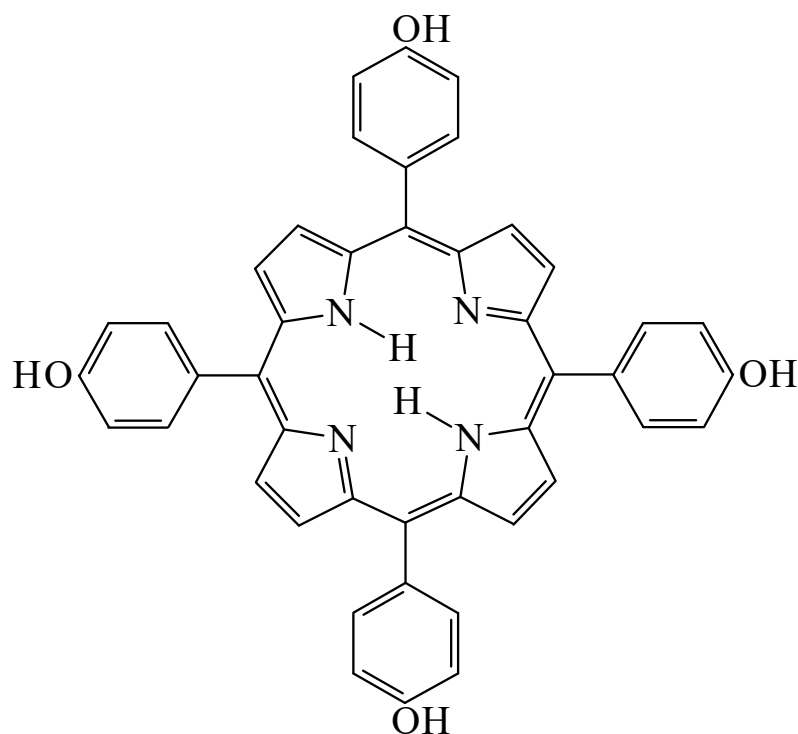




>>Entry Name: 5,10,15,20-Tetrakis(4-hydroxyphenyl)-21*H*,23*H*-porphine

Synonym(s): 4,4',4'',4'''-(21*H*,23*H*-Porphine-5,10,15,20-tetrayl)tetrakisphenol, 9CI



CAS Registry Number: 51094-17-8

Molecular Formula: C₄₄H₃₀N₄O₄

Molecular Weight: 678.745

Accurate Mass: 678.226706

Percentage Composition: C 77.86%; H 4.45%; N 8.25%; O 9.43%

Physical Description: Blue-violet cryst. (CHCl₃/MeOH)

Other Data: Mp >300°

>>Derivative: Tetra-Me ether

Synonym(s): 5,10,15,20-Tetrakis(4-methoxyphenyl)-21*H*,23*H*-porphine

CAS Registry Number: 22112-78-3

Molecular Formula: C₄₈H₃₈N₄O₄

Molecular Weight: 734.853

Accurate Mass: 734.289306

Percentage Composition: C 78.45%; H 5.21%; N 7.62%; O 8.71%

Physical Description: Lustrous silver-blue violet cryst.

Boiling Point: Subl._{0.1} 290°

Other Data: Mp >300°

Aldrich: 25288-3

>>Derivative: Tetra-Me ether, Fe(III) complex

CAS Registry Number: 36995-20-7

Physical Description: Light red cryst. (CHCl₃/MeOH)

Aldrich: 30303-8

>>Derivative: Tetra-Me ether, Co complex

CAS Registry Number: 28903-71-1

Physical Description: Red-violet cryst. (CHCl₃/MeOH)

Aldrich: 27586-7

Sigma: M9273

>>Derivative: Tetra-Me ether, Cu(II) complex

CAS Registry Number: 24249-30-7

Physical Description: Red-violet cryst. (CHCl₃/MeOH)

References: