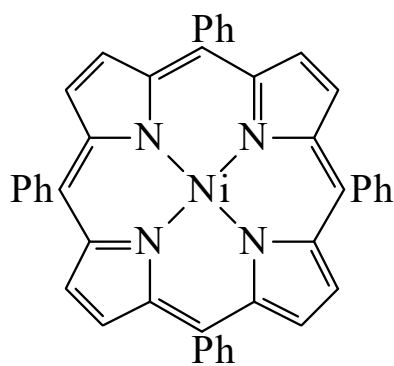




>>Entry Name: Tetraphenylporphyrinatonickel(II)

Synonym(s): [5,10,15,20-Tetraphenyl-21*H*,23*H*-porphinato(2-)-*N*²¹,*N*²²,*N*²³,*N*²⁴]nickel, 9Cl



CAS Registry Number: 14172-92-0

Molecular Formula: C₄₄H₂₈N₄Ni

Molecular Weight: 671.422

Accurate Mass: 670.166742

Percentage Composition: C 78.71%; H 4.20%; N 8.34%; Ni 8.74%

Source/Synthesis: Synth. from Ni(OAc)₂ and tetraphenylporphin

Physical Description: Purple-red cryst. (CHCl₃/MeOH or toluene)

References:

Rothmund, P. *et al.*, *J.A.C.S.*, 1948, **70**, 1808, (*synth, uv-vis*)

Thomas, D.W. *et al.*, *J.A.C.S.*, 1959, **81**, 5111, (*synth, ir*)

Maclean, A.L. *et al.*, *Aust. J. Chem.*, 1966, **49**, 1273, (*cryst struct, exafs*)

Kincaid, J. *et al.*, *J. Inorg. Nucl. Chem.*, 1975, **37**, 85, (*ir*)