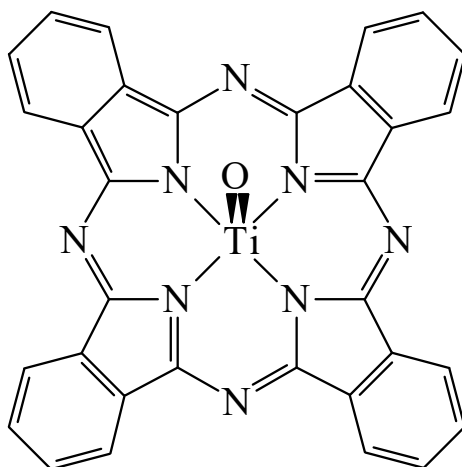




>>Entry Name: Oxo[29H,31H-phthalocyaninato(2-)-N²⁹,N³⁰,N³¹,N³²]titanium(IV), 11Cl

Synonym(s): Oxo(phthalocyaninato)titanium(IV)



CAS Registry Number: 26201-32-1

Molecular Formula: C₃₂H₁₆N₈OTi

Molecular Weight: 576.411

Accurate Mass: 576.092654

Percentage Composition: C 66.68%; H 2.80%; N 19.44%; O 2.78%; Ti 8.31%

Source/Synthesis: Synth. from TiCl₃ + Li₂Pc in quinoline solv. then oxidised to TiOPc

Use/Importance: Of considerable interest for its electrophotographic applications

Physical Description: Violet monoclinic or triclinic cryst.

Aldrich: 40455-1

References:

Taube, R., *Z. Chem.*, 1963, **3**, 194, (*synth*)

Giraudeau, A. *et al.*, *J.A.C.S.*, 1980, **102**, 5137, (*use, thin film sensitisers for TiO₂ and WO₃ electrodes*)

Hiller, W. *et al.*, *Z. Kristallogr.*, 1982, **159**, 173, (*cryst struct*)

Klofta, T.J. *et al.*, *J. Electrochem. Soc.*, 1985, **132**, 2134, (*use, thin film electrodes*)

Japan. Pat., 1985, 60 184 251; *CA*, **104**, 159558a, (*use*)

Eur. Pat., 1986, 180 931; *CA*, **105**, 181479t, (*use*)