



>>Entry Name: Tetraisopropylphosphorodiamidous chloride

Synonym(s): Tetrakis(1-methylethyl)phosphorodiamidous chloride, 9Cl. Chlorobis(diisopropylamine)phosphine

CAS Registry Number: 56183-63-2

$[[(\text{H}_3\text{C})_2\text{CH}]_2\text{N}]_2\text{PCl}$

Molecular Formula: $\text{C}_{12}\text{H}_{28}\text{ClN}_2\text{P}$

Molecular Weight: 266.793

Accurate Mass: 266.167862

Percentage Composition: C 54.02%; H 10.58%; Cl 13.29%; N 10.50%; P 11.61%

Physical Description: Cryst. (pentane)

Melting Point: Mp 100-104° (98-99°)

Boiling Point: Subl._{0.1} 95-100°. Bp₁ 129-133°

Aldrich: 34134-7

References:

King, R.B. *et al.*, *J.O.C.*, 1984, **49**, 1784, (*synth*, *P-31 nmr*)

Hamamoto, S. *et al.*, *Chem. Lett.*, 1986, 1401, (*synth*, *P-31 nmr*)