>>**Entry Name: Manganese trichloride**
Synonym(s): Manganese chloride ($MnCl_3$), $_{11}Cl$

CAS Registry Number: 14690-66-5
Related CAS Registry Numbers(s): 11132-78-8
$MnCl_3$

Molecular Formula: Cl_3Mn
Molecular Weight: 161.296
Accurate Mass: 159.844603
Percentage Composition: Cl 65.94%; Mn 34.06%

N'')manganese(*III*) HZB86-Y, Trichlorobis(triphenylphosphine oxide)manganese(*III*) JZB74-P
Source/Synthesis: Synth. from $Mn(OAc)_3$ and HCl at –100° or from MnO_2 and HCl in dry EtOH at –63°
Physical Description: Moisture-sensitive black compd. stable only below –40°

>>**Derivative:** Tris-Py complex

References:

Krepelka, J.H. *et al.*, *Coll. Czech. Chem. Comm.*, 1935, **7**, 105, *(synth)*
Chretien, A. *et al.*, *Bull. Soc. Chim. Fr.*, 1936, **3**, 2385, *(synth)*
Funk, H. *et al.*, *Z. Anorg. Allg. Chem.*, 1967, **349**, 45
Gmelin Handbook Inorg. Chem., *Syst. No.* 56, 1978, **C5**, 88, *(rev, bibl)*