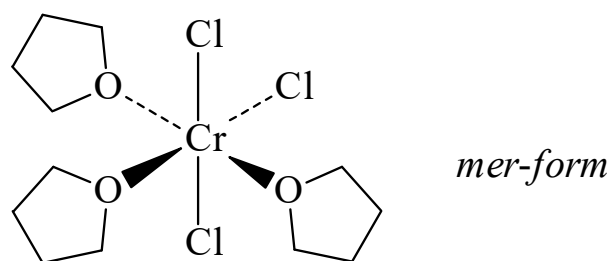




>>Entry Name: Trichlorotris(tetrahydrofuran)chromium(III), 11Cl

Synonym(s): Chromium(III) chloride tris(tetrahydrofuran)



CAS Registry Number: 10170-68-0

Molecular Formula: $C_{12}H_{24}Cl_3CrO_3$

Molecular Weight: 374.674

Accurate Mass: 373.01961

Percentage Composition: C 38.47%; H 6.46%; Cl 28.39%; Cr 13.88%; O 12.81%

Use/Importance: Widely used starting material for synth. of coordination and organometallic complexes of Cr

Physical Description: Purple cryst.

Other Data: Loses 3 THF over range 150-200°

Aldrich: 28817-9

References:

Inorg. Synth., 1966, **8**, 149, (*synth*)

Jones, P.J. *et al.*, *Inorg. Chem.*, 1983, **22**, 2642, (*ir, uv-vis*)

Cotton, F.A. *et al.*, *Inorg. Chim. Acta*, 1986, **113**, 81, (*cryst struct*)