



---

>>Entry Name: Chloropropylmagnesium, 11Cl, 9Cl, 8Cl

Synonym(s): Propylmagnesium chloride

CAS Registry Number: 2234-82-4

$\text{H}_3\text{CCH}_2\text{CH}_2\text{MgCl}$

Molecular Formula:  $\text{C}_3\text{H}_7\text{ClMg}$

Molecular Weight: 102.846

Accurate Mass: 102.008669

Percentage Composition: C 35.04%; H 6.86%; Cl 34.47%; Mg 23.63%

Use/Importance: Grignard reagent. Commercially available as 2M soln. in  $\text{Et}_2\text{O}$ . Used for derivatisation of ionic alkyl lead compds. in gc anal.

Physical Description: Not isol.

Aldrich: 22439-1

Fluka: 82362

#### References:

Kharasch, M.S. *et al.*, *Grignard Reactions of Nonmetallic Substances*, Prentice-Hall, 1954, (rev)

Evans, D.F. *et al.*, *J.C.S.*, 1962, 5125, (pmr)

Tuulmets, A., *CA*, 1966, **65**, 8730f, (props)

Koppel, I. *et al.*, *CA*, 1969, **71**, 101152x, (props)

Chevrot, C. *et al.*, *J. Electroanal. Chem. Interfacial Electrochem.*, 1974, **54**, 135; 263, (polarog)

Radojević, M. *et al.*, *Anal. Chem.*, 1986, **58**, 658

Sobota, P. *et al.*, *J. Organomet. Chem.*, 1987, **332**, 239, (props)

Lobiński, R. *et al.*, *Anal. Chim. Acta*, 1992, **262**, 285