



>>Entry Name: Chloro(2-methylpropyl)magnesium, 9Cl

Synonym(s): Chloroisobutylmagnesium, 8Cl. Isobutylmagnesium chloride. 2-Methylpropylmagnesium chloride

CAS Registry Number: 5674-02-2

$(\text{H}_3\text{C})_2\text{CHCH}_2\text{MgCl}$

Molecular Formula: $\text{C}_4\text{H}_9\text{ClMg}$

Molecular Weight: 116.873

Accurate Mass: 116.024319

Percentage Composition: C 41.11%; H 7.76%; Cl 30.33%; Mg 20.80%

Use/Importance: Commercially available Grignard reagent

Physical Description: Not isol.

Solubility: Sol. Et_2O

Aldrich: 22574-6

Fluka: 58570

References:

Huston, R.C. *et al.*, *J.O.C.*, 1947, **12**, 90, (*synth, reaction*)

Mandell, L. *et al.*, *J.O.C.*, 1966, **31**, 591, (*synth, reactions*)

Akimova, L.N. *et al.*, *J. Org. Chem. USSR (Engl. Transl.)*, 1971, **7**, 468, (*reaction*)

Bogdanovic, B. *et al.*, *Chem. Ber.*, 1990, **125**, 1507, (*synth*)