



>>Entry Name: Chloro(1-methylpropyl)magnesium, 9Cl

Synonym(s): *sec*-Butylchloromagnesium, 8Cl. *sec*-Butylmagnesium chloride. 1-Methylpropylmagnesium chloride

CAS Registry Number: 15366-08-2

Related CAS Registry Numbers(s): 79722-38-6

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

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: 22442-1

Fluka: 20196

References:

Org. Synth., Coll. Vol., 1, 1932, 361, (*synth, reaction*)

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

Becker, W.E. *et al.*, *J.O.C.*, 1964, **29**, 954, (*synth, reaction*)

Ashby, E.C. *et al.*, *J.A.C.S.*, 1981, **103**, 4983, (*reaction mechanisms*)