



>>Entry Name: Benzylchloromagnesium, 8Cl

Synonym(s): Chloro(phenylmethyl)magnesium, 9Cl. Benzylmagnesium chloride

CAS Registry Number: 6921-34-2

PhCH<sub>2</sub>MgCl

Molecular Formula: C<sub>7</sub>H<sub>7</sub>ClMg

Molecular Weight: 150.89

Accurate Mass: 150.008669

Percentage Composition: C 55.72%; H 4.68%; Cl 23.50%; Mg 16.11%

Use/Importance: Commercially available Grignard reagent; adds to imines

Physical Description: Not isol.

Solubility: Sol. Et<sub>2</sub>O, THF

Aldrich: 22591-6

Fluka: 13525

#### References:

*Org. Synth., Coll. Vol., I*, 1932, 471; 1963, 94, (*synth, reaction*)

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

Leibfritz, D. *et al.*, *Annalen*, 1972, **763**, 173, (*cmr*)

Chevrot, C. *et al.*, *J. Electroanal. Chem. Interfacial Electrochem.*, 1974, **55**, 263, (*polarog*)

Pinnick, H.W. *et al.*, *J.O.C.*, 1979, **44**, 160, (*synth, reactions*)

Harvey, S. *et al.*, *J.O.C.*, 1988, **53**, 3134, (*synth, reactions*)

Baker, K.V. *et al.*, *J.O.C.*, 1991, **56**, 698, (*synth*)