



>>Entry Name: Iodomethylmagnesium, 10Cl, 9Cl, 8Cl

Synonym(s): Methylmagnesium iodide

CAS Registry Number: 917-64-6

Related CAS Registry Numbers(s): 22092-83-7 41251-37-0 105176-13-4 112925-55-0

MeMgI

Molecular Formula: CH₃IMg

Molecular Weight: 166.244

Accurate Mass: 165.91299

Percentage Composition: C 7.22%; H 1.82%; I 76.34%; Mg 14.62%

Use/Importance: Commercially available Grignard reagent

Physical Description: Not normally isol.; prepd. and used *in situ*

Solubility: Insol. hydrocarbons

Aldrich: 25710-9

Fluka: 67744

References:

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House, H.O. *et al.*, *J.O.C.*, 1967, **32**, 2481, (*pmr*)

Ashby, E.C. *et al.*, *J.A.C.S.*, 1969, **91**, 3845, (*struct*)

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

Kress, J. *et al.*, *J. Organomet. Chem.*, 1975, **99**, 23; 199, (*ir, Raman*)

Khalilov, L.M. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1988, 548, (*cmr*)

Wellmar, A. *et al.*, *J. Organomet. Chem.*, 1991, **415**, 155; 167, (*laxs*)

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