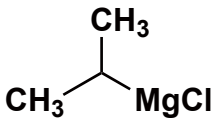
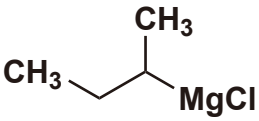
Grignard Reagents

Turbo Grignard Reagents

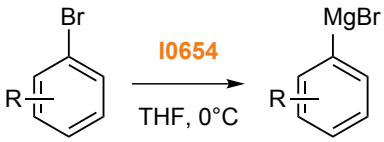
The preparation of functionalized grignard reagents under low temperature is possible.



Isopropylmagnesium Chloride – Lithium Chloride
(15% in Tetrahydrofuran, *ca.* 1mol/L)
100mL [I0654]



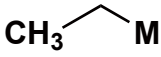
***sec*-Butylmagnesium Chloride - Lithium Chloride**
(15% in Tetrahydrofuran, *ca.* 1.2mol/L)
100mL [B4643]



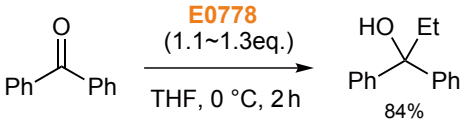
A. Krasovskiy, P. Knochel, *Angew. Chem. Inter. Ed.* **2004**, *43*, 3333.

Highly Efficient Alkylating Agent

The alkylation of ketones and aldimines proceeds efficiently by the addition of $ZnCl_2$.



Ethylmagnesium Chloride
(*ca.* 1.0mol/L in Tetrahydrofuran)
activated with Zinc Chloride
(*ca.* 10mol%)
250g [E0778]



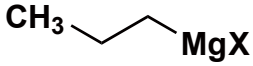
M. Hatano, S. Suzuki, K. Ishihara, *J. Am. Chem. Soc.* **2006**, *128*, 9998.

Other Grignard Reagents

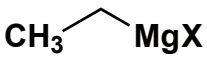
CH_3MgX

X = Br **Methylmagnesium Bromide**
(12% in Tetrahydrofuran, *ca.* 1mol/L)
250g [M0362]
(35% in Ethyl Ether, *ca.* 3mol/L)
250g [M0785]
(30% in 2-Methyltetrahydrofuran, *ca.* 3mol/L)
250g [M2237]

X = I **Methylmagnesium Iodide**
(33% in Ethyl Ether, *ca.* 2mol/L)
100g [M0364]

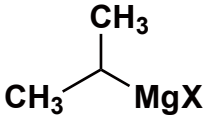


X = Br **Propylmagnesium Bromide**
(27% in Tetrahydrofuran, *ca.* 2mol/L)
250g [P0880]



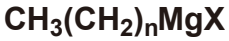
X = Cl **Ethylmagnesium Chloride**
(18% in Tetrahydrofuran, *ca.* 2mol/L)
250g [E0135]

X = Br **Ethylmagnesium Bromide**
(13% in Tetrahydrofuran, *ca.* 1mol/L)
250g [E0497]
(39% in Ethyl Ether, *ca.* 3mol/L)
250g [E0134]



X = Cl **Isopropylmagnesium Chloride**
(11% in Tetrahydrofuran, *ca.* 1mol/L)
250g [I0543]
(13% in Ethyl Ether, *ca.* 1mol/L)
250g [I0542]

X = Br **Isopropylmagnesium Bromide**
(15% in Tetrahydrofuran, *ca.* 1mol/L)
250g [I0518]



X = Cl
n = 3 **Butylmagnesium Chloride**
(23% in Tetrahydrofuran, *ca.* 2mol/L)
250g [B0726]

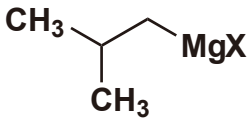
X = Br
n = 4 **Pentylmagnesium Bromide**
(18% in Tetrahydrofuran, *ca.* 1mol/L)
250g [P1177]

n = 5 **Hexylmagnesium Bromide**
(20% in Tetrahydrofuran, *ca.* 1mol/L)
250g [H0821]

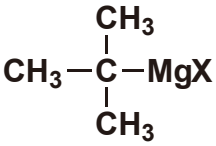
n = 6 **Heptylmagnesium Bromide**
(21% in Tetrahydrofuran, *ca.* 1mol/L)
250g [H0822]

n = 7 ***n*-Octylmagnesium Bromide**
(22% in Tetrahydrofuran, *ca.* 1mol/L)
250g [O0240]

n = 14 **Pentadecylmagnesium Bromide**
(15% in Tetrahydrofuran, *ca.* 0.4mol/L)
250g [P1251]

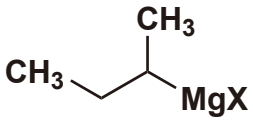


X = Br **Isobutylmagnesium Bromide**
(17% in Tetrahydrofuran, *ca.* 1mol/L)
250g [I0517]



X = Cl ***tert*-Butylmagnesium Chloride**
(23% in Tetrahydrofuran, *ca.* 2mol/L)
250g [B1148]
(26% in Ethyl Ether, *ca.* 2mol/L)
250g [B1147]

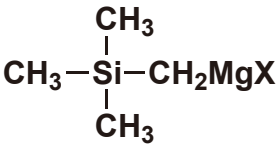
X = Br **Vinylmagnesium Bromide**
(14% in Tetrahydrofuran, *ca.* 1mol/L)
100g [V0053]



X = Br ***sec*-Butylmagnesium Bromide**
(16% in Tetrahydrofuran, *ca.* 1mol/L)
100g [B1884]

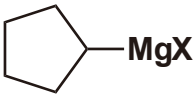
X = Cl **Allylmagnesium Chloride**
(9% in Tetrahydrofuran, ca. 0.9mol/L)
100g [A1554]

X = Br **Allylmagnesium Bromide**
(13% in Ethyl Ether, ca. 0.7mol/L)
100mL [A0963]

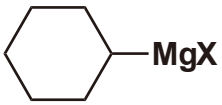


X = Cl **Trimethylsilylmethylmagnesium Chloride**
(18% in Tetrahydrofuran, *ca.* 1mol/L)
100mL [T2609]
(20% in Ethyl Ether, *ca.* 1mol/L)
100mL [T1451]

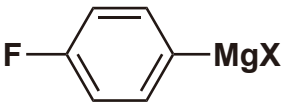
X = Br **Cyclopropylmagnesium Bromide**
(10% in Tetrahydrofuran, *ca.* 0.7mol/L)
100g [C2039]



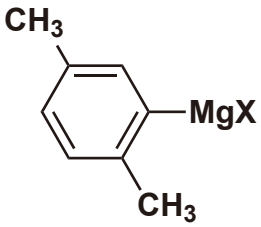
X = Br **Cyclopentylmagnesium Bromide**
(18% in Tetrahydrofuran, *ca.* 1mol/L)
100g [C1505]



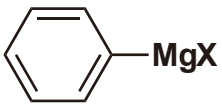
X = Br **Cyclohexylmagnesium Bromide**
(18% in Tetrahydrofuran, *ca.* 1mol/L)
100g [C1504]



X = Br **4-Fluorophenylmagnesium Bromide**
(19% in Tetrahydrofuran, *ca.* 1.0mol/L)
250g [F0673]



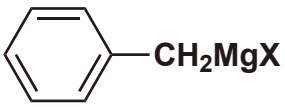
X = Br ***p*-Xylene-2-magnesium Bromide**
(20% in Tetrahydrofuran, *ca.* 1mol/L)
100g [D3551]



X = Cl **Phenylmagnesium Chloride**
(27% in Tetrahydrofuran, *ca.* 2mol/L)
250g [P1381]

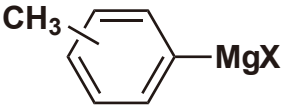
X = Br **Phenylmagnesium Bromide**
(16% in Tetrahydrofuran, *ca.* 1mol/L)
250g [P2025]

X = I **Phenylmagnesium Iodide**
(42% in Ethyl Ether, *ca.* 2mol/L)
250g [P0191]



X = Cl **Benzylmagnesium Chloride**
(16% in Tetrahydrofuran, *ca.* 1mol/L)
250g [B1933]

X = Br **Benzylmagnesium Bromide**
(18% in Tetrahydrofuran, *ca.* 0.9mol/L)
100g [B3976]



X = Br ***o*-Tolylmagnesium Bromide**
(17% in Tetrahydrofuran, *ca.* 0.9mol/L)
100g [T1698]

***m*-Tolylmagnesium Bromide**
(19% in Tetrahydrofuran, *ca.* 1mol/L)
100g [T1699]

***p*-Tolylmagnesium Bromide**
(19% in Tetrahydrofuran, *ca.* 1mol/L)
100g [T1700]

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