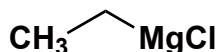


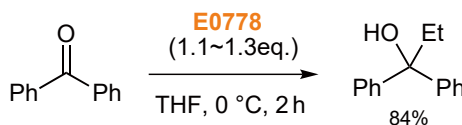
Grignard Reagents

Highly Efficient Alkylating Agent

The alkylation of ketones and aldimines proceeds efficiently by the addition of ZnCl₂.



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

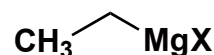


M. Hatano, S. Suzuki, K. Ishihara, *J. Am. Chem. Soc.* 2006, 128, 9998.

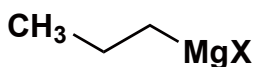
Other Grignard Reagents



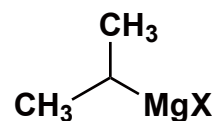
- X = Br Methylmagnesium Bromide**
(12% in Tetrahydrofuran, ca. 1mol/L) 250g [M0362]
(35% in Ethyl Ether, ca. 3mol/L) 250g [M0785]
(ca. 30% in 2-Methyltetrahydrofuran, ca. 3mol/L) 250g [M2237]
- X = I Methylmagnesium Iodide**
(33% in Ethyl Ether, ca. 2mol/L) 100g [M0364]



- X = Cl Ethylmagnesium Chloride**
(ca. 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]



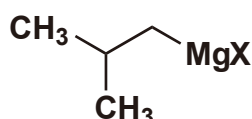
- X = Br Propylmagnesium Bromide**
(27% in Tetrahydrofuran, ca. 2mol/L) 250g [P0880]



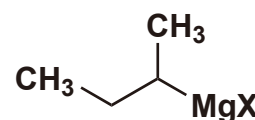
- X = Cl Isopropylmagnesium Chloride**
(ca. 11% in Tetrahydrofuran, ca. 1mol/L) 250g [I0543]
(ca. 13% in Ethyl Ether, ca. 1mol/L) 250g [I0542]
- X = Br Isopropylmagnesium Bromide**
(15% in Tetrahydrofuran, ca. 1mol/L) 250g [I0518]



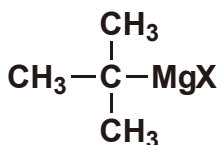
- X = Cl n = 3 Butylmagnesium Chloride**
(23% in Tetrahydrofuran, ca. 2mol/L) 250g [B0726]
- X = Br n = 4 Pentylmagnesium Bromide**
(18% in Tetrahydrofuran, ca. 1mol/L) 250g [P1177]
- n = 5 Hexylmagnesium Bromide**
(20% in Tetrahydrofuran, ca. 1mol/L) 250g [H0821]
- n = 6 Heptylmagnesium Bromide**
(21% in Tetrahydrofuran, ca. 1mol/L) 250g [H0822]
- n = 7 n-Octylmagnesium Bromide**
(ca. 22% in Tetrahydrofuran, ca. 1mol/L) 250g [O0240]
- n = 14 Pentadecylmagnesium Bromide**
(ca. 15% in Tetrahydrofuran, ca. 0.4mol/L) 250g [P1251]



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



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



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

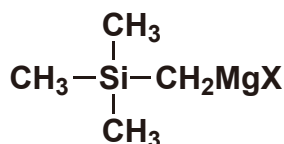


- X = Cl Allylmagnesium Chloride**
(ca. 11% in Tetrahydrofuran, ca. 1.0mol/L) 100g [A1554]
- X = Br Allylmagnesium Bromide**
(ca. 13% in Ethyl Ether, ca. 0.7mol/L) 100mL [A0963]



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

Grignard Reagents



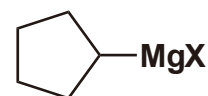
X = Cl Trimethylsilylmethylmagnesium Chloride

(ca. 18% in Tetrahydrofuran, ca. 1 mol/L) 100mL [T2609]
(20% in Ethyl Ether, ca. 1 mol/L) 100mL [T1451]



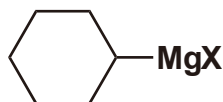
X = Br Cyclopropylmagnesium Bromide

(ca. 10% in Tetrahydrofuran, ca. 0.7 mol/L) 100g [C2039]



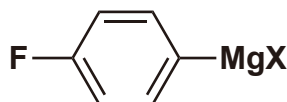
X = Br Cyclopentylmagnesium Bromide

(ca. 18% in Tetrahydrofuran, ca. 1 mol/L) 100g [C1505]



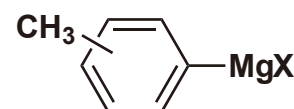
X = Br Cyclohexylmagnesium Bromide

(ca. 18% in Tetrahydrofuran, ca. 1 mol/L) 100g [C1504]



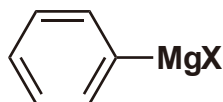
X = Br 4-Fluorophenylmagnesium Bromide

(ca. 19% in Tetrahydrofuran, ca. 1.0 mol/L) 250g [F0673]



X = Br o-Tolylmagnesium Bromide

(ca. 17% in Tetrahydrofuran, ca. 0.9 mol/L) 100g [T1698]



X = Cl Phenylmagnesium Chloride

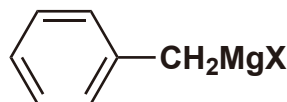
(27% in Tetrahydrofuran, ca. 2 mol/L) 250g [P1381]

X = Br Phenylmagnesium Bromide

(16% in Tetrahydrofuran, ca. 1 mol/L) 250g [P2025]

X = I Phenylmagnesium Iodide

(ca. 42% in Ethyl Ether, ca. 2 mol/L) 250g [P0191]



X = Cl Benzylmagnesium Chloride

(ca. 16% in Tetrahydrofuran, ca. 1 mol/L) 250g [B1933]

X = Br Benzylmagnesium Bromide

(ca. 18% in Tetrahydrofuran, ca. 0.9 mol/L) 100g [B3976]

X = Br m-Tolylmagnesium Bromide

(19% in Tetrahydrofuran, ca. 1 mol/L) 100g [T1699]

p-Tolylmagnesium Bromide

(19% in Tetrahydrofuran, ca. 1 mol/L) 100g [T1700]

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