



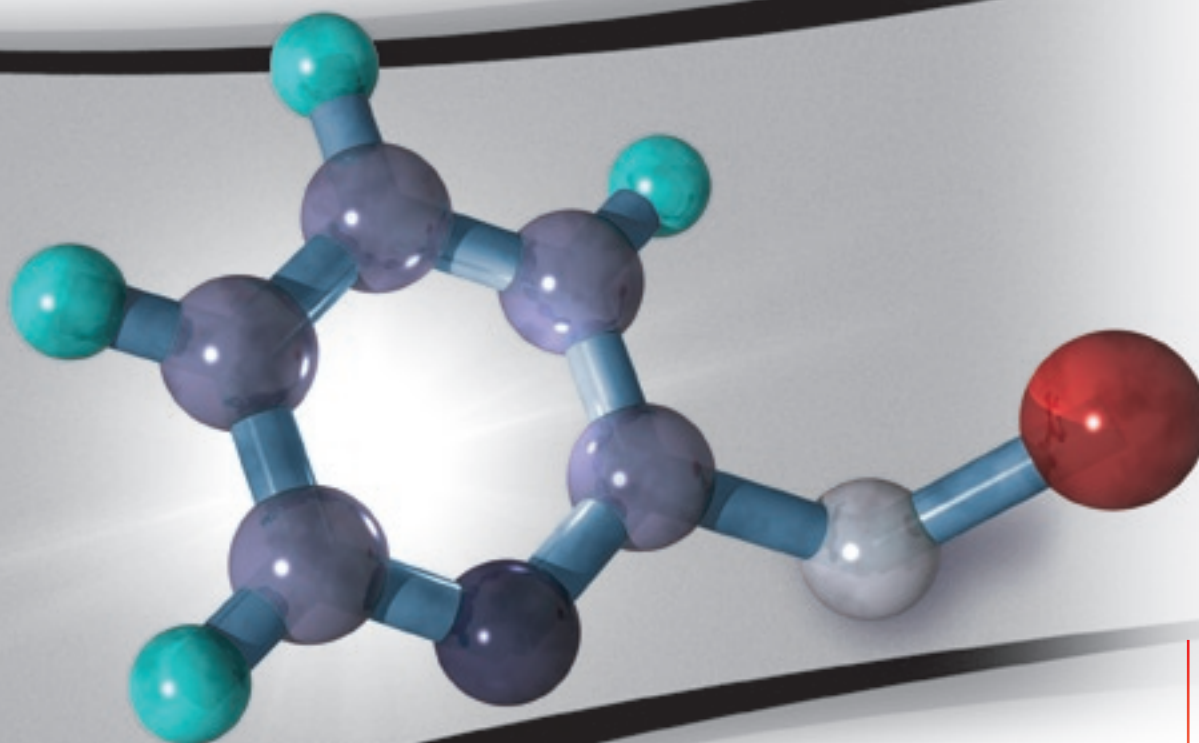
ChemFiles

Product Directory

2007
VOLUME 7
NUMBER 4



Grignard and Organozinc Reagents



RIEKE® HIGHLY
REACTIVE METALS

GRIGNARD REAGENTS

ORGANOZINC HALIDES

DIALKYL MAGNESIUM
AND DIALKYLZINC
REAGENTS

2-Pyridylzinc bromide: a shelf-stable 2-pyridyl anion equivalent; an important motif in many pharmacologically active molecules.



目次

Sigma-Aldrich は、高品質のグリニャール試薬、有機亜鉛、その他の有機金属試薬を幅広く供給することを目指し、製品のラインナップを拡大しています。今号の各セクションでは、製品は炭素数順に掲載しています。

Rieke® Highly Reactive Metals

Grignard Reagents

Alkyl Alkenyl Alkynyl Aryl Heteroaryl

Organozinc Halides

Alkyl Alkenyl Aryl Heteroaryl

Dialkylmagnesium and Dialkylzinc Reagents

この PDF カタログでは、左の各項目をクリックするだけで掲載ページへジャンプします。さらに、検索機能(Windows をお使いの方は Ctrl+F, Macintosh をお使いの方は Command+F キー)により、化合物名、製品番号、分子式、CAS 番号で検索できます。各製品番号をクリックすると、取り扱い容量、価格、在庫状況がご覧になれます。

(国内在庫の見方ヘルプ)

お探しの試薬が見つからない場合には、シグマアルドリッチジャパン(株)テクニカルサポート sialjpts@sial.com へご連絡ください。皆様からのご提案をお待ちしています。

はじめに

Reuben D. Rieke

President and CEO, Rieke Metals, Inc.

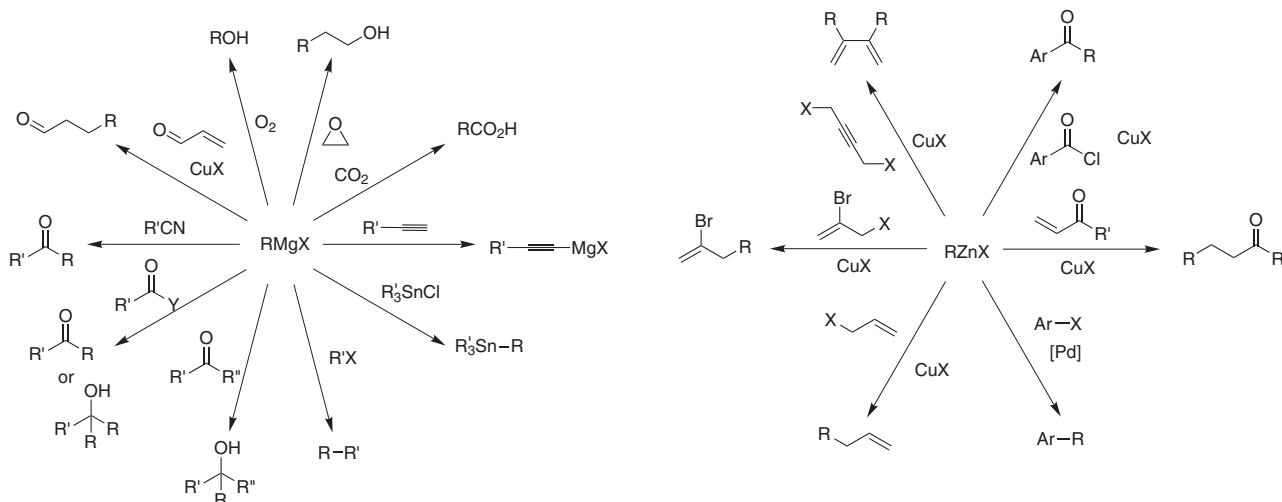
Professor Emeritus, University of Nebraska

Lincoln, NE

かれこれ 35 年の間、新規な有機金属試薬を合成するための活性金属種を生成するというテーマで研究を続けてきました。1972 年に我々は、エーテルもしくは炭化水素系溶媒中、アルカリ金属で金属塩を還元することにより、高い活性を有する金属粉末をつくる一般的な方法を報告しました。最終的にこれらの有用な金属粉末は "Rieke metal" と名づけられ、多くの有機金属試薬の合成が可能になりました。

グリニャール試薬は最も広く用いられている有機金属試薬の一つであり、その反応性については多くの報告があります。これらの試薬の生成はごく一般的な反応と考えられているものの、通常のマグネシウムリボンとは反応しないハロゲン化物も数多く存在します。Rieke® マグネシウムは低温で反応するため分解や副反応が抑えられ、合成できるグリニャール試薬の種類が劇的に増えました。Rieke® マグネシウムは、数多くのグリニャール試薬と同様、Sigma-Aldrich から市販されています。

Rieke® 亜鉛が見出される以前は、臭化アルキル、アリール、ビニル、もしくは塩化アルキル、アリール、ビニルを亜鉛と直接反応させることはできず、ハロゲン化亜鉛と有機リチウムもしくはグリニャール試薬のメタセシス反応によってのみ調製可能でしたが、残念ながら、この手法は利用できる官能基が限られていました。Rieke® 亜鉛は、臭化物・塩化物と直接反応し、かつ、ニトリル、エステル、アミド、エーテル、スルフィド、ケトンなどの反応性の高い種々の官能基にも利用でき、様々な有機亜鉛試薬を与えます。有機亜鉛は、Rieke Metals 社が開発した Cu(I) により促進される反応や、Pd 触媒によるクロスカップリング反応である根岸カップリングなど、C-C 結合形成の強力なツールです。これら重要な反応において有用な Rieke® 亜鉛とその他の Rieke® 有機亜鉛試薬は、Sigma-Aldrich が供給しています。



Rieke® Highly Reactive Metals

Reactive Rieke® Mg metal	R	Reactive Rieke® Zn metal	R
Mg MW: 24.31 [7439-95-4]	Mg*	Zn MW: 65.39 [7440-66-6]	Zn*
2.5 g/dL suspension in tetrahydrofuran: 499579		5 g/dL suspension in tetrahydrofuran: 499552	

Grignard Reagents

Alkyl

Methylmagnesium chloride solution CH_3ClMg MW: 74.79 [676-58-4]	$\text{H}_3\text{C}-\text{MgCl}$	Isopropylmagnesium chloride lithium chloride complex solution NEW $\text{C}_3\text{H}_7\text{Cl}_2\text{LiMg}$ MW: 145.24 [807329-97-1]	$\text{H}_3\text{C}-\text{CH}(\text{CH}_3)-\text{MgCl} \cdot \text{LiCl}$	tert-Butylmagnesium chloride solution $\text{C}_4\text{H}_9\text{ClMg}$ MW: 116.87 [677-22-5]	$\text{H}_3\text{C}-\text{C}(\text{CH}_3)_2-\text{MgCl}$
3.0 M in tetrahydrofuran: 189901, 257095		1.0 M in tetrahydrofuran: 656984		2.0 M in diethyl ether: 224499	
3.0 M in tetrahydrofuran: 499579				1.0 M in tetrahydrofuran: 364649, 364657	
Methylmagnesium bromide solution CH_3BrMg MW: 119.24 [75-76-1]	$\text{H}_3\text{C}-\text{MgBr}$	Cyclopropylmagnesium bromide solution $\text{C}_3\text{H}_5\text{BrMg}$ MW: 145.28 [23719-80-4]		1-Methyl-2-propenylmagnesium chloride solution $\text{C}_4\text{H}_7\text{ClMg}$ MW: 114.86 [21969-32-4]	
1.0 M in butyl ether: 302430		0.5 M in tetrahydrofuran: 526797		0.5 M in tetrahydrofuran: 420042	
3.0 M in diethyl ether: 189898, 257087					
1.4 M in toluene/tetrahydrofuran (75:25): 282235					
Methylmagnesium iodide solution CH_3IMg MW: 166.24 [917-64-6]	$\text{H}_3\text{C}-\text{MgI}$	Allylmagnesium chloride solution $\text{C}_3\text{H}_5\text{ClMg}$ MW: 100.83 [2622-05-1]		2-Methylallylmagnesium chloride solution $\text{C}_4\text{H}_7\text{ClMg}$ MW: 114.86 [5674-01-1]	
3.0 M in diethyl ether: 254363, 257109		2.0 M in tetrahydrofuran: 225908, 256617		0.5 M in tetrahydrofuran: 419532	
Methyl-d₃-magnesium iodide solution CD_3IMg MW: 169.26 [41251-37-0]	$\text{D}_3\text{C}-\text{MgI}$	Allylmagnesium bromide solution $\text{C}_3\text{H}_5\text{BrMg}$ MW: 145.28 [1730-25-2]		2-Butenylmagnesium chloride solution $\text{C}_4\text{H}_7\text{ClMg}$ MW: 114.86 [22649-70-3]	
1.0 M in diethyl ether: 293091		1.0 M in diethyl ether: 225754, 256609		0.5 M in tetrahydrofuran: 419583	
Ethylmagnesium chloride solution $\text{C}_2\text{H}_5\text{ClMg}$ MW: 88.82 [2386-64-3]	$\text{H}_3\text{C}-\text{CH}_2-\text{MgCl}$	Butylmagnesium chloride solution $\text{C}_4\text{H}_9\text{ClMg}$ MW: 116.87 [693-04-9]		3-Butenylmagnesium bromide solution $\text{C}_4\text{H}_7\text{BrMg}$ MW: 159.31 [7103-09-5]	
2.0 M in diethyl ether: 300330		1.45 M in butyl diglyme: 529923		0.5 M in tetrahydrofuran: 419591	
2.0 M in tetrahydrofuran: 303828		2.0 M in diethyl ether: 224375			
2.0 M in tetrahydrofuran: 303828		2.0 M in tetrahydrofuran: 291005			
Ethylmagnesium bromide solution $\text{C}_2\text{H}_5\text{BrMg}$ MW: 133.27 [925-90-6]	$\text{H}_3\text{C}-\text{CH}_2-\text{MgBr}$	Isobutylmagnesium chloride solution $\text{C}_4\text{H}_9\text{ClMg}$ MW: 116.87 [5674-02-2]		(Trimethylsilyl)methylmagnesium chloride solution $\text{C}_4\text{H}_{11}\text{ClMgSi}$ MW: 146.97 [13170-43-9]	
3.0 M in diethyl ether: 189871, 256978		2.0 M in diethyl ether: 225746		1.0 M in diethyl ether: 256021	
1.0 M in tert-butyl methyl ether: 345105		2.0 M in tetrahydrofuran: 479683			
1.0 M in tetrahydrofuran: 364665, 364673					
Propylmagnesium chloride solution $\text{C}_3\text{H}_7\text{ClMg}$ MW: 102.85 [2234-82-4]	$\text{H}_3\text{C}-\text{CH}_2-\text{CH}_2-\text{MgCl}$	Isobutylmagnesium bromide solution $\text{C}_4\text{H}_9\text{BrMg}$ MW: 161.32 [926-62-5]		(1,3-Dioxolan-2-ylmethyl)magnesium bromide solution $\text{C}_4\text{H}_7\text{BrMgO}_2$ MW: 191.31 [180675-22-3]	
2.0 M in diethyl ether: 224391		2.0 M in diethyl ether: 338257		0.5 M in tetrahydrofuran: 472611	
Isopropylmagnesium chloride solution $\text{C}_3\text{H}_7\text{ClMg}$ MW: 102.85 [1068-55-9]	$\text{H}_3\text{C}-\text{CH}(\text{CH}_3)-\text{MgCl}$	sec-Butylmagnesium chloride solution $\text{C}_4\text{H}_9\text{ClMg}$ MW: 116.87 [15366-08-2]		Pentylmagnesium chloride solution $\text{C}_5\text{H}_{11}\text{ClMg}$ MW: 130.90 [6393-56-2]	
2.0 M in diethyl ether: 224383, 257028		2.0 M in diethyl ether: 224421		2.0 M in tetrahydrofuran: 469033	
2.0 M in tetrahydrofuran: 230111, 257036					

バルク供給 / スケールアップのご相談は...

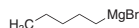
ファインケミカル事業部 Tel:03-5796-7340 Fax:03-5796-7345 E-mail:sialjpf@cial.com

Rieke® Highly Reactive Metals

ALDRICH®

Pentylmagnesium bromide solution

$C_5H_{11}BrMg$
MW: 175.35
[693-25-4]



2.0 M in diethyl ether: **290998**

Pentamethylenebis-(magnesium bromide) solution

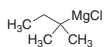
$C_5H_{10}Br_2Mg_2$
MW: 278.55
[23708-48-7]



0.5 M in tetrahydrofuran: **310018**

1,1-Dimethylpropylmagnesium chloride solution

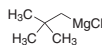
$C_5H_{11}ClMg$
MW: 130.90
[28276-08-6]



1.0 M in diethyl ether: **277282**

2,2-Dimethylpropylmagnesium chloride solution R

$C_5H_{11}ClMg$
MW: 130.90
[13132-23-5]



1.0 M in diethyl ether: **550213**

Cyclopentylmagnesium chloride solution

C_5H_9ClMg
MW: 128.88
[32916-51-1]



2.0 M in diethyl ether: **224405**

Cyclopentylmagnesium bromide solution

C_5H_9BrMg
MW: 173.33
[33240-34-5]



2.0 M in diethyl ether: **428337**

Hexylmagnesium chloride solution

$C_6H_{13}ClMg$
MW: 144.93
[44767-62-6]



2.0 M in tetrahydrofuran: **641626**

Hexylmagnesium bromide solution

$C_6H_{13}BrMg$
MW: 189.38
[3761-92-0]



2.0 M in diethyl ether: **255025**

Cyclohexylmagnesium chloride solution

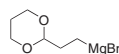
$C_6H_{11}ClMg$
MW: 142.91
[931-51-1]



2.0 M in diethyl ether: **224413, 256692**

(1,3-Dioxan-2-ylethyl)magnesium bromide solution R

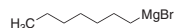
$C_8H_{11}BrMgO_2$
MW: 219.36
[480438-44-6]



0.5 M in tetrahydrofuran: **561657**

Heptylmagnesium bromide solution

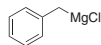
$C_7H_{15}BrMg$
MW: 203.40
[13125-66-1]



1.0 M in diethyl ether: **550655**

Benzylmagnesium chloride solution

C_7H_7ClMg
MW: 150.89
[6921-34-2]

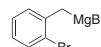


1.0 M in diethyl ether: **302759**

2.0 M in tetrahydrofuran: **225916**

2-Bromobenzylmagnesium bromide solution R

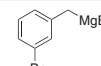
$C_7H_6Br_2Mg$
MW: 274.24
[56812-60-3]



0.25 M in diethyl ether: **562149**

3-Bromobenzylmagnesium bromide solution R

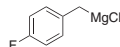
$C_7H_6Br_2Mg$
MW: 274.24
[107549-22-4]



0.25 M in diethyl ether: **562130**

4-Fluorobenzylmagnesium chloride solution R

C_7H_6ClFMg
MW: 168.88
[1643-73-8]



0.25 M in tetrahydrofuran: **563927**

Octylmagnesium chloride solution

$C_8H_{17}ClMg$
MW: 172.98
[38841-98-4]



2.0 M in tetrahydrofuran: **324566**

Octylmagnesium bromide solution

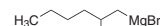
$C_8H_{17}BrMg$
MW: 217.43
[17049-49-9]



2.0 M in diethyl ether: **436291**

(2-Ethylhexyl)magnesium bromide solution

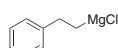
$C_8H_{17}BrMg$
MW: 217.43
[90224-21-8]



1.0 M in diethyl ether: **630551**

Phenethylmagnesium chloride solution

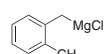
C_8H_9ClMg
MW: 164.92
[90878-19-6]



1.0 M in tetrahydrofuran: **424684**

2-Methylbenzylmagnesium chloride solution R

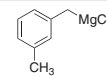
C_8H_9ClMg
MW: 164.92
[29875-05-6]



0.25 M in tetrahydrofuran: **562173**

3-Methylbenzylmagnesium chloride solution R

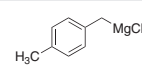
C_8H_9ClMg
MW: 164.92
[29875-06-7]



0.5 M in tetrahydrofuran: **562157**

4-Methylbenzylmagnesium chloride solution R

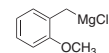
C_8H_9ClMg
MW: 164.92
[29875-07-8]



0.5 M in tetrahydrofuran: **563773**

2-Methoxybenzylmagnesium chloride solution R

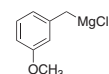
C_8H_9ClMgO
MW: 180.91
[480438-46-8]



0.25 M in tetrahydrofuran: **562092**

3-Methoxybenzylmagnesium chloride solution R

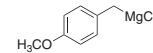
C_8H_9ClMgO
MW: 180.91
[26905-40-8]



0.25 M in tetrahydrofuran: **562084**

4-Methoxybenzylmagnesium chloride solution R

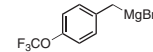
C_8H_9ClMgO
MW: 180.91
[38769-92-5]



0.25 M in tetrahydrofuran: **562033**

4-(Trifluoromethoxy)benzylmagnesium bromide solution NEW

$C_8H_6BrF_3MgO$
MW: 279.34



1.0 M in diethyl ether: **663832**

Nonylmagnesium bromide solution

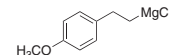
$C_9H_{19}BrMg$
MW: 231.46
[39691-62-8]



1.0 M in diethyl ether: **550663**

4-Methoxyphenethylmagnesium chloride solution R

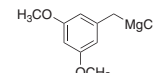
$C_9H_{11}ClMgO$
MW: 194.94
[211115-05-8]



0.5 M in tetrahydrofuran: **562203**

3,5-Dimethoxybenzylmagnesium chloride solution R

$C_9H_{11}ClMgO_2$
MW: 210.94
[135808-66-1]



0.2 M in tetrahydrofuran: **563811**

Decylmagnesium bromide solution

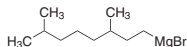
C₁₀H₂₁BrMg
MW: 245.48
[17049-50-2]



1.0 M in diethyl ether: **347108**

3,7-Dimethyloctylmagnesium bromide solution

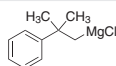
C₁₀H₂₁BrMg
MW: 245.48
[114499-45-5]



1.0 M in diethyl ether: **637963**

2-Methyl-2-phenylpropylmagnesium chloride solution

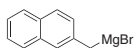
C₁₀H₁₃ClMg
MW: 192.97
[35293-35-7]



0.5 M in diethyl ether: **420204**

(2-Naphthalenylmethyl)magnesium bromide solution

C₁₁H₉BrMg
MW: 245.40
[127543-80-0]



0.25 M in diethyl ether: **663891**

Dodecylmagnesium bromide solution

C₁₂H₂₅BrMg
MW: 273.54
[15890-72-9]



1.0 M in diethyl ether: **339628**

Tetradecylmagnesium chloride solution

C₁₄H₂₉ClMg
MW: 257.14
[110220-87-6]



1.0 M in tetrahydrofuran: **337781**

Pentadecylmagnesium bromide solution

C₁₅H₃₁BrMg
MW: 315.62
[78887-70-4]



0.5 M in diethyl ether: **424056**

Octadecylmagnesium chloride solution

C₁₈H₃₇ClMg
MW: 313.24
[116980-66-6]



0.5 M in tetrahydrofuran: **394262**

Alkenyl**Vinylmagnesium chloride solution**

C₂H₃ClMg
MW: 86.80
[3536-96-7]



1.6 M in tetrahydrofuran: **476552**

Vinylmagnesium bromide solution

C₂H₃BrMg
MW: 131.25
[1826-67-1]



1.0 M in tetrahydrofuran: **225584, 257257**

1-Propenylmagnesium bromide solution

C₃H₅BrMg
MW: 145.28
[14092-04-7]



0.5 M in tetrahydrofuran: **419540**

Isopropenylmagnesium bromide solution

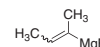
C₃H₅BrMg
MW: 145.28
[13291-18-4]



0.5 M in tetrahydrofuran: **419567**

1-Methyl-1-propenylmagnesium bromide solution

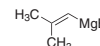
C₄H₇BrMg
MW: 159.31
[85676-85-3]



0.5 M in tetrahydrofuran: **419605**

2-Methyl-1-propenylmagnesium bromide solution

C₄H₇BrMg
MW: 159.31
[38614-36-7]



0.5 M in tetrahydrofuran: **419613**

Alkynyl**Ethynylmagnesium chloride solution**

C₂HClMg
MW: 84.79
[65032-27-1]



0.5 M in tetrahydrofuran: **346160**

Ethynylmagnesium bromide solution

C₂HBrMg
MW: 129.24
[4301-14-8]



0.5 M in tetrahydrofuran: **346152**

1-Propynylmagnesium bromide solution

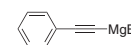
C₃H₃BrMg
MW: 143.26
[16466-97-0]



0.5 M in tetrahydrofuran: **429007**

Phenylethynylmagnesium bromide solution

C₈H₇BrMg
MW: 205.33
[6738-06-3]



1.0 M in tetrahydrofuran: **357510**



Aryl

Phenylmagnesium chloride solution

C_6H_5ClMg
MW: 136.86
[100-59-4]



2.0 M in tetrahydrofuran: **224448, 257125**

Phenylmagnesium bromide solution

C_6H_5BrMg
MW: 181.31
[100-58-3]



3.0 M in diethyl ether: **171565, 257117**

1.0 M in tetrahydrofuran: **331376**

3-Chlorophenylmagnesium bromide solution

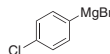
$C_6H_4BrClMg$
MW: 215.76
[36229-42-2]



0.5 M in tetrahydrofuran: **563722**

4-Chlorophenylmagnesium bromide solution

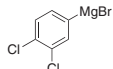
$C_6H_4BrClMg$
MW: 215.76
[873-77-8]



1.0 M in diethyl ether: **262188**

3,4-Dichlorophenylmagnesium bromide solution

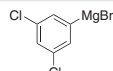
$C_6H_3BrCl_2Mg$
MW: 250.20
[79175-35-2]



0.5 M in tetrahydrofuran: **562270**

3,5-Dichlorophenylmagnesium bromide solution

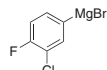
$C_6H_3BrCl_2Mg$
MW: 250.20
[82297-90-3]



0.5 M in tetrahydrofuran: **562289**

3-Chloro-4-fluorophenylmagnesium bromide solution

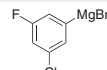
$C_6H_3BrClFMg$
MW: 233.75
[413589-34-1]



0.5 M in tetrahydrofuran: **563676**

3-Chloro-5-fluorophenylmagnesium bromide solution

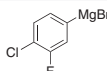
$C_6H_3BrClFMg$
MW: 233.75
[480438-50-4]



0.5 M in tetrahydrofuran: **563390**

4-Chloro-3-fluorophenylmagnesium bromide solution

$C_6H_3BrClFMg$
MW: 233.75
[170793-00-7]



0.5 M in tetrahydrofuran: **562254**

3-Fluorophenylmagnesium bromide solution

C_6H_4BrFMg
MW: 199.30
[17318-03-5]

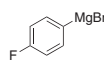


1.0 M in tetrahydrofuran: **550671**

0.5 M in tetrahydrofuran: **561665**

4-Fluorophenylmagnesium bromide solution

C_6H_4BrFMg
MW: 199.30
[352-13-6]

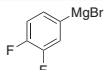


2.0 M in diethyl ether: **245550**

1.0 M in tetrahydrofuran: **328820**

3,4-Difluorophenylmagnesium bromide solution

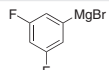
$C_6H_3BrF_2Mg$
MW: 217.29
[90897-92-0]



0.5 M in tetrahydrofuran: **561037**

3,5-Difluorophenylmagnesium bromide solution

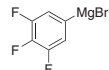
$C_6H_3BrF_2Mg$
MW: 217.29
[62351-47-7]



0.5 M in tetrahydrofuran: **561029**

3,4,5-Trifluorophenylmagnesium bromide solution

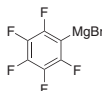
$C_6H_2BrF_3Mg$
MW: 235.28
[156006-28-9]



0.3 M in tetrahydrofuran: **561797**

Pentafluorophenylmagnesium bromide solution

C_6BrF_5Mg
MW: 271.27
[879-05-0]



0.5 M in diethyl ether: **442585**

o-Tolylmagnesium chloride solution

C_7H_7ClMg
MW: 150.89
[33872-80-9]



1.0 M in tetrahydrofuran: **360023**

o-Tolylmagnesium bromide solution

C_7H_7BrMg
MW: 195.34
[932-31-0]



2.0 M in diethyl ether: **298980**

m-Tolylmagnesium chloride solution

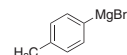
C_7H_7ClMg
MW: 150.89
[121905-60-0]



1.0 M in tetrahydrofuran: **405299**

p-Tolylmagnesium bromide solution

C_7H_7BrMg
MW: 195.34
[4294-57-9]

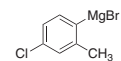


0.5 M in diethyl ether: **646075**

1.0 M in tetrahydrofuran: **442178**

4-Chloro-2-methylphenylmagnesium bromide solution

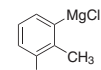
$C_7H_6BrClMg$
MW: 229.78
[480438-47-9]



0.5 M in tetrahydrofuran: **562262**

3-Fluoro-2-methylphenylmagnesium chloride solution

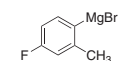
C_7H_6ClFMg
MW: 168.88
[480424-74-6]



0.5 M in tetrahydrofuran: **570818**

4-Fluoro-2-methylphenylmagnesium bromide solution

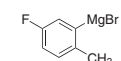
C_7H_6BrFMg
MW: 213.33
[30897-90-6]



0.5 M in tetrahydrofuran: **561738**

5-Fluoro-2-methylphenylmagnesium bromide solution

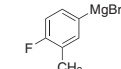
C_7H_6BrFMg
MW: 213.33
[186496-59-3]



0.5 M in tetrahydrofuran: **561746**

4-Fluoro-3-methylphenylmagnesium bromide solution

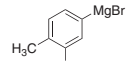
C_7H_6BrFMg
MW: 213.33
[82297-89-0]



1.0 M in tetrahydrofuran: **344605**

3-Fluoro-4-methylphenylmagnesium bromide solution

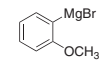
C_7H_6BrFMg
MW: 213.33
[185077-02-5]



0.5 M in tetrahydrofuran: **561711**

2-Methoxyphenylmagnesium bromide solution

C_7H_7BrMgO
MW: 211.34
[16750-63-3]

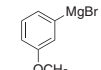


1.0 M in diethyl ether: **662453**

1.0 M in tetrahydrofuran: **470414**

3-Methoxyphenylmagnesium bromide solution

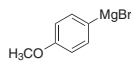
C_7H_7BrMgO
MW: 211.34
[36282-40-3]



1.0 M in tetrahydrofuran: **442194**

4-Methoxyphenylmagnesium bromide solution

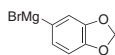
C₇H₇BrMgO
MW: 211.34
[13139-86-1]



0.5 M in tetrahydrofuran: **470260**

3,4-(Methylenedioxy)phenylmagnesium bromide solution

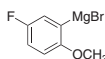
C₇H₅BrMgO₂
MW: 225.32
[17680-04-5]



1.0 M in toluene/tetrahydrofuran
(50:50): **512931**

5-Fluoro-2-methoxyphenylmagnesium bromide solution

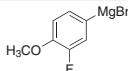
C₇H₆BrFMgO
MW: 229.33
[188132-02-7]



0.5 M in tetrahydrofuran: **561983**

3-Fluoro-4-methoxyphenylmagnesium bromide solution

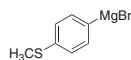
C₇H₆BrFMgO
MW: 229.33
[112780-67-3]



0.5 M in tetrahydrofuran: **563706**

4-Thioanisolemagnesium bromide solution

C₇H₇BrMgS
MW: 227.40
[18620-04-7]



0.5 M in tetrahydrofuran: **561762**

2,3-Dimethylphenylmagnesium bromide solution

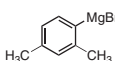
C₈H₉BrMg
MW: 209.37
[134640-85-0]



0.5 M in tetrahydrofuran: **563757**

2,4-Dimethylphenylmagnesium bromide solution

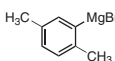
C₈H₉BrMg
MW: 209.37
[34589-46-3]



0.5 M in tetrahydrofuran: **562041**

2,5-Dimethylphenylmagnesium bromide solution

C₈H₉BrMg
MW: 209.37
[30897-86-0]



0.5 M in tetrahydrofuran: **563765**

2,6-Dimethylphenylmagnesium bromide solution

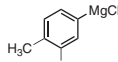
C₈H₉BrMg
MW: 209.37
[21450-64-6]



1.0 M in tetrahydrofuran: **425508**

3,4-Dimethylphenylmagnesium chloride solution

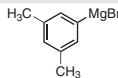
C₈H₉ClMg
MW: 164.92
[102928-12-1]



0.5 M in tetrahydrofuran: **562068**

3,5-Dimethylphenylmagnesium bromide solution

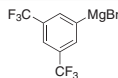
C₈H₉BrMg
MW: 209.37
[34696-73-6]



0.5 M in tetrahydrofuran: **562076**

3,5-Bis(trifluoromethyl)phenylmagnesium bromide solution

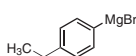
C₈H₃BrF₆Mg
MW: 317.31
[112981-69-8]



0.5 M in tetrahydrofuran: **639052**

4-Ethylphenylmagnesium bromide solution

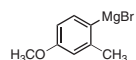
C₈H₉BrMg
MW: 209.37
[22873-28-5]



0.5 M in tetrahydrofuran: **561754**

4-Methoxy-2-methylphenylmagnesium bromide solution

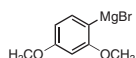
C₈H₉BrMgO
MW: 225.37
[148706-30-3]



0.5 M in tetrahydrofuran: **562238**

2,4-Dimethoxyphenylmagnesium bromide solution

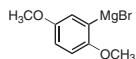
C₈H₉BrMgO₂
MW: 241.36
[138109-49-6]



0.5 M in tetrahydrofuran: **562025**

2,5-Dimethoxyphenylmagnesium bromide solution

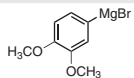
C₈H₉BrMgO₂
MW: 241.36
[62890-98-6]



0.5 M in tetrahydrofuran: **561819**

3,4-Dimethoxyphenylmagnesium bromide solution

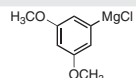
C₈H₉BrMgO₂
MW: 241.36
[89980-69-8]



0.5 M in tetrahydrofuran: **561975**

3,5-Dimethoxyphenylmagnesium chloride solution

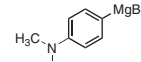
C₈H₉ClMgO₂
MW: 196.91
[89981-17-9]



1.0 M in tetrahydrofuran: **637629**

4-(N,N-Dimethyl)anilinemagnesium bromide solution

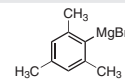
C₈H₁₀BrMgN
MW: 224.38
[7353-91-5]



0.5 M in tetrahydrofuran: **561061**

2-Mesitylmagnesium bromide solution

C₉H₁₁BrMg
MW: 223.39
[2633-66-1]

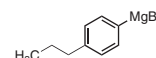


1.0 M in diethyl ether: **332402**

1.0 M in tetrahydrofuran: **227234**

4-n-Propylphenylmagnesium bromide solution

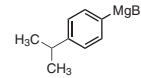
C₉H₁₁BrMg
MW: 223.39
[87942-08-3]



0.5 M in tetrahydrofuran: **563730**

4-Isopropylphenylmagnesium bromide solution

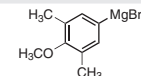
C₉H₁₁BrMg
MW: 223.39



0.5 M in tetrahydrofuran: **635669**

3,5-Dimethyl-4-methoxyphenylmagnesium bromide solution

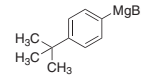
C₉H₁₁BrMgO
MW: 239.39
[185416-17-5]



0.5 M in tetrahydrofuran: **563781**

4-tert-Butylphenylmagnesium bromide solution

C₁₀H₁₃BrMg
MW: 237.42
[63488-10-8]



2.0 M in diethyl ether: **324655**

1-Naphthylmagnesium bromide solution

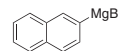
C₁₀H₇BrMg
MW: 231.37
[703-55-9]



0.25 M slurry in tetrahydrofuran: **561673**

2-Naphthylmagnesium bromide solution

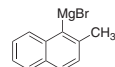
C₁₀H₇BrMg
MW: 231.37
[21473-01-8]



0.5 M in tetrahydrofuran: **562165**

2-Methyl-1-naphthylmagnesium bromide solution

C₁₁H₉BrMg
MW: 245.40
[21450-90-8]



0.25 M in tetrahydrofuran: **563692**



4-Methyl-1-naphthylmagnesium bromide solution R

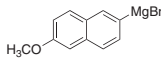
C₁₁H₉BrMg
MW: 245.40
[115913-58-1]



0.25 M in tetrahydrofuran: **563684**

6-Methoxy-2-naphthylmagnesium bromide solution R

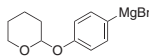
C₁₁H₉BrMgO
MW: 261.40
[38046-82-1]



0.5 M in tetrahydrofuran: **646946**

4-(2-Tetrahydro-2H-pyranoxy)phenylmagnesium bromide solution R

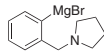
C₁₁H₁₃BrMgO₂
MW: 281.43
[36637-44-2]



0.5 M in tetrahydrofuran: **562246**

[2-(1-Pyrrolidinylmethyl)phenyl]magnesium bromide solution R

C₁₁H₁₄BrMgN
MW: 264.44
[480424-80-4]



0.25 M in tetrahydrofuran: **571199**

[3-(1-Pyrrolidinylmethyl)phenyl]magnesium bromide solution R

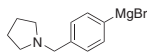
C₁₁H₁₄BrMgN
MW: 264.44
[480424-79-0]



0.25 M in tetrahydrofuran: **571180**

[4-(1-Pyrrolidinylmethyl)phenyl]magnesium bromide solution R

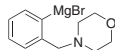
C₁₁H₁₄BrMgN
MW: 264.44
[480424-78-0]



0.25 M in tetrahydrofuran: **571172**

[2-(4-Morpholinylmethyl)phenyl]magnesium bromide solution R

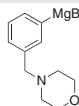
C₁₁H₁₄BrMgNO
MW: 280.44
[480424-77-9]



0.25 M in tetrahydrofuran: **571164**

[3-(4-Morpholinylmethyl)phenyl]magnesium bromide solution R

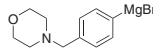
C₁₁H₁₄BrMgNO
MW: 280.44
[480424-76-8]



0.25 M in tetrahydrofuran: **571156**

[4-(4-Morpholinylmethyl)phenyl]magnesium bromide solution R

C₁₁H₁₄BrMgNO
MW: 280.44
[480424-75-7]



0.25 M in tetrahydrofuran: **571121**

2-Biphenylmagnesium bromide solution R

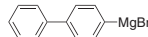
C₁₂H₉BrMg
MW: 257.41
[82214-69-5]



0.5 M in diethyl ether: **639125**

4-Biphenylmagnesium bromide solution R

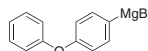
C₁₂H₉BrMg
MW: 257.41
[3315-91-1]



0.5 M in tetrahydrofuran: **562009**

4-Phenoxyphenylmagnesium bromide solution R

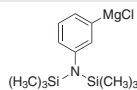
C₁₂H₉BrMgO
MW: 273.41
[21473-02-9]



0.5 M in tetrahydrofuran: **561681**

3-[Bis(trimethylsilyl)amino]phenylmagnesium chloride solution

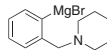
C₁₂H₂₂ClMgNSi₂
MW: 296.24
[174484-84-5]



1.0 M in tetrahydrofuran: **372005**

[2-(1-Piperidinylmethyl)phenyl]magnesium bromide solution R

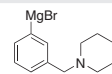
C₁₂H₁₆BrMgN
MW: 278.47
[480424-81-5]



0.25 M in tetrahydrofuran: **571202**

[3-(1-Piperidinylmethyl)phenyl]magnesium bromide solution R

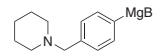
C₁₂H₁₆BrMgN
MW: 278.47
[480424-82-6]



0.25 M in tetrahydrofuran: **571210**

[4-(1-Piperidinylmethyl)phenyl]magnesium bromide solution R

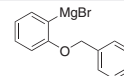
C₁₂H₁₆BrMgN
MW: 278.47
[480424-83-7]



0.25 M in tetrahydrofuran: **571229**

2-Benzyloxyphenylmagnesium bromide solution NEW

C₁₃H₁₁BrMgO
MW: 287.43
[328000-16-4]



1.0 M in tetrahydrofuran: **673013**

3-Benzyloxyphenylmagnesium bromide solution NEW

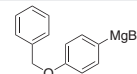
C₁₃H₁₁BrMgO
MW: 287.43
[36281-96-6]



1.0 M in tetrahydrofuran: **673005**

4-Benzyloxyphenylmagnesium bromide solution NEW

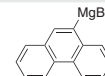
C₁₃H₁₁BrMgO
MW: 287.43
[120186-59-6]



1.0 M in tetrahydrofuran: **672998**

9-Phenanthrylmagnesium bromide solution R

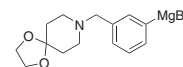
C₁₄H₉BrMg
MW: 281.43
[71112-64-6]



0.5 M in tetrahydrofuran: **563749**

3-(1,4-Dioxo-8-azaspiro[4.5]dec-8-ylmethyl)phenylmagnesium bromide solution R

C₁₄H₁₈BrMgNO₂
MW: 336.51



0.25 M in tetrahydrofuran: **633143**

Heteroaryl

2-Thienylmagnesium bromide solution

C₄H₃BrMgS
MW: 187.34
[5713-61-1]



1.0 M in tetrahydrofuran: **550442**

3-Thienylmagnesium iodide solution R

C₄H₃IMgS
MW: 234.34
[172035-86-8]



0.3 M in tetrahydrofuran: **561630**

3-Methyl-2-thienylmagnesium bromide solution R

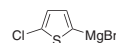
C₅H₅BrMgS
MW: 201.37
[95184-07-9]



0.5 M in tetrahydrofuran: **562211**

5-Chloro-2-thienylmagnesium bromide solution R

C₄H₂BrClMgS
MW: 221.79
[111762-30-2]



0.5 M slurry in tetrahydrofuran: **563803**

Organozinc Halides

Alkyl

Methylzinc chloride solution

CH₃ZnCl
MW: 115.88
[5158-46-3]



2.0 M in tetrahydrofuran: **417297**

1-Propylzinc bromide solution R

C₃H₇BrZn
MW: 188.38
[156567-57-6]



0.5 M in tetrahydrofuran: **499374**

2-Propylzinc bromide solution R

C₃H₇BrZn
MW: 188.38
[77047-87-1]



0.5 M in tetrahydrofuran: **680966**

2-Cyanoethylzinc bromide solution R

C₃H₄BrNZn
MW: 199.36
[312624-26-3]



0.5 M in tetrahydrofuran: **497908**

Butylzinc bromide solution R

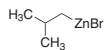
C₄H₉BrZn
MW: 202.41
[92273-73-9]



0.5 M in tetrahydrofuran: **497746**

Isobutylzinc bromide solution R

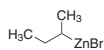
C₄H₉BrZn
MW: 202.41
[126403-67-6]



0.5 M in tetrahydrofuran: **498963**

sec-Butylzinc bromide solution R

C₄H₉BrZn
MW: 202.41
[171860-66-5]



0.5 M in tetrahydrofuran: **497738**

tert-Butylzinc bromide solution R

C₄H₉BrZn
MW: 202.41
[7565-59-5]



0.5 M in tetrahydrofuran: **497754**

3-Cyanopropylzinc bromide solution R

C₄H₆BrNZn
MW: 213.39
[135579-85-0]



0.5 M in tetrahydrofuran: **497967**

4-Chlorobutylzinc bromide solution R

C₄H₈BrClZn
MW: 236.85
[155589-48-3]



0.5 M in tetrahydrofuran: **497770**

Pentylzinc bromide solution R

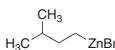
C₅H₁₁BrZn
MW: 216.43
[308796-10-3]



0.5 M in tetrahydrofuran: **499285**

3-Methylbutylzinc bromide solution R

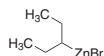
C₅H₁₁BrZn
MW: 216.43
[92274-43-6]



0.5 M in tetrahydrofuran: **498890**

1-Ethylpropylzinc bromide solution R

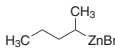
C₅H₁₁BrZn
MW: 216.43
[308796-09-0]



0.5 M in tetrahydrofuran: **499277**

1-Methylbutylzinc bromide solution R

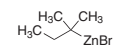
C₅H₁₁BrZn
MW: 216.43
[308796-07-8]



0.5 M in tetrahydrofuran: **499269**

1,1-Dimethylpropylzinc bromide solution R

C₅H₁₁BrZn
MW: 216.43
[171860-64-3]



0.5 M in tetrahydrofuran: **498904**

Cyclopentylzinc bromide solution R

C₅H₉BrZn
MW: 214.42
[171860-68-7]



0.5 M in tetrahydrofuran: **498041**

4-Pentylzinc bromide solution R

C₅H₉BrZn
MW: 214.42
[308796-04-5]



0.5 M in tetrahydrofuran: **499072**

4-Cyanobutylzinc bromide solution R

C₅H₈BrNZn
MW: 227.42
[226570-68-9]



0.5 M in tetrahydrofuran: **497894**

5-Chloropentylzinc bromide solution R

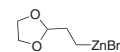
C₅H₁₀BrClZn
MW: 250.88
[312624-21-8]



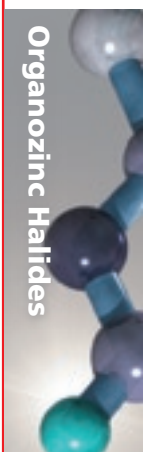
0.5 M in tetrahydrofuran: **497819**

2-(1,3-Dioxolan-2-yl)ethylzinc bromide solution R

C₅H₉BrO₂Zn
MW: 246.42
[307531-83-5]

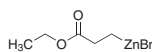


0.5 M in tetrahydrofuran: **533688**



3-Ethoxy-3-oxopropylzinc bromide solution R

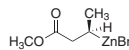
$C_5H_9BrO_2Zn$
MW: 246.42
[193065-68-8]



0.5 M in tetrahydrofuran: **498521**

(R)-(+)-3-Methoxy-2-methyl-3-oxopropylzinc bromide solution R

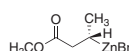
$C_5H_9BrO_2Zn$
MW: 246.42
[352525-75-8]



0.5 M in tetrahydrofuran: **499498**

(S)-(-)-3-Methoxy-2-methyl-3-oxopropylzinc bromide solution R

$C_5H_9BrO_2Zn$
MW: 246.42
[312693-18-8]



0.5 M in tetrahydrofuran: **498815**

Hexylzinc bromide solution R

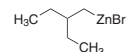
$C_6H_{13}BrZn$
MW: 230.46
[124397-96-2]



0.5 M in tetrahydrofuran: **498769**

2-Ethylbutylzinc bromide solution R

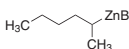
$C_6H_{13}BrZn$
MW: 230.46
[312693-02-0]



0.5 M in tetrahydrofuran: **498548**

1-Methylpentylzinc bromide solution R

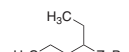
$C_6H_{13}BrZn$
MW: 230.46
[312693-13-3]



0.5 M in tetrahydrofuran: **498742**

1-Ethylbutylzinc bromide solution R

$C_6H_{13}BrZn$
MW: 230.46
[312693-14-4]



0.5 M in tetrahydrofuran: **498750**

Cyclohexylzinc bromide solution R

$C_6H_{11}BrZn$
MW: 228.45
[7565-57-3]



0.5 M in tetrahydrofuran: **498033**

6-Chlorohexylzinc bromide solution R

$C_6H_{12}BrClZn$
MW: 264.91
[135579-83-8]



0.5 M in tetrahydrofuran: **497797**

5-Hexenylzinc bromide solution R

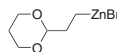
$C_6H_{11}BrZn$
MW: 228.45
[226570-65-6]



0.5 M in tetrahydrofuran: **498734**

2-(1,3-Dioxan-2-yl)ethylzinc bromide solution R

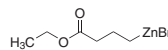
$C_6H_{11}BrO_2Zn$
MW: 260.44
[307531-82-4]



0.5 M in tetrahydrofuran: **533556**

4-Ethoxy-4-oxobutylzinc bromide solution R

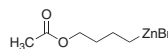
$C_6H_{11}BrO_2Zn$
MW: 260.44
[131379-39-0]



0.5 M in tetrahydrofuran: **498491**

4-Acetoxybutylzinc bromide solution R

$C_6H_{11}BrO_2Zn$
MW: 260.44



0.5 M in tetrahydrofuran: **630403**

Heptylzinc bromide solution R

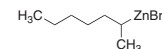
$C_7H_{15}BrZn$
MW: 244.49
[7608-06-2]



0.5 M in tetrahydrofuran: **533270**

1-Methylhexylzinc bromide solution R

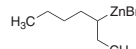
$C_7H_{15}BrZn$
MW: 244.49
[312693-10-0]



0.5 M in tetrahydrofuran: **498696**

1-Ethylpentylzinc bromide solution R

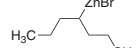
$C_7H_{15}BrZn$
MW: 244.49
[312693-11-1]



0.5 M in tetrahydrofuran: **498718**

1-Propylbutylzinc bromide solution R

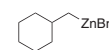
$C_7H_{15}BrZn$
MW: 244.49
[312693-12-2]



0.5 M in tetrahydrofuran: **498726**

(Cyclohexylmethyl)zinc bromide solution R

$C_7H_{13}BrZn$
MW: 242.47
[135579-86-1]



0.5 M in tetrahydrofuran: **498025**

exo-2-Norbornylzinc bromide solution R

$C_7H_{11}BrZn$
MW: 240.46
[342029-20-3]



0.5 M in tetrahydrofuran: **499056**

6-Cyanoethylzinc bromide solution R

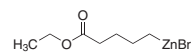
$C_7H_{12}BrNZn$
MW: 255.47
[312624-28-5]



0.5 M in tetrahydrofuran: **497924**

5-Ethoxy-5-oxopentylzinc bromide solution R

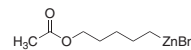
$C_7H_{13}BrO_2Zn$
MW: 274.47
[265330-98-1]



0.5 M in tetrahydrofuran: **498513**

5-Acetoxyethylzinc bromide solution R

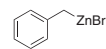
$C_7H_{13}BrO_2Zn$
MW: 274.47



0.5 M in tetrahydrofuran: **630381**

Benzylzinc bromide solution R

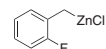
C_7H_7BrZn
MW: 236.42
[62673-31-8]



0.5 M in tetrahydrofuran: **497517**

2-Fluorobenzylzinc chloride solution R

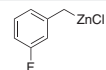
C_7H_6ClFZn
MW: 209.96
[312693-05-3]



0.5 M in tetrahydrofuran: **498580**

3-Fluorobenzylzinc chloride solution R

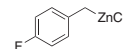
C_7H_6ClFZn
MW: 209.96
[312693-06-4]



0.5 M in tetrahydrofuran: **498599**

4-Fluorobenzylzinc chloride solution R

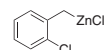
C_7H_6ClFZn
MW: 209.96
[312693-07-5]



0.5 M in tetrahydrofuran: **498602**

2-Chlorobenzylzinc chloride solution R

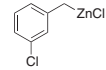
$C_7H_6Cl_2Zn$
MW: 226.42
[312624-11-6]



0.5 M in tetrahydrofuran: **497568**

3-Chlorobenzylzinc chloride solution R

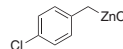
$C_7H_6Cl_2Zn$
MW: 226.42
[312624-13-8]



0.5 M in tetrahydrofuran: **497576**

4-Chlorobenzylzinc chloride solution R

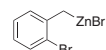
$C_7H_6Cl_2Zn$
MW: 226.42
[149923-10-4]



0.5 M in tetrahydrofuran: **497762**

2-Bromobenzylzinc bromide solution R

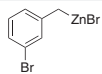
$C_7H_6Br_2Zn$
MW: 315.32
[307496-27-1]



0.5 M in tetrahydrofuran: **520314**

3-Bromobenzylzinc bromide solution R

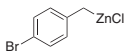
$C_7H_6Br_2Zn$
MW: 315.32
[307496-31-7]



0.5 M in tetrahydrofuran: **521655**

4-Bromobenzylzinc chloride solution R

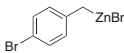
$C_7H_6BrClZn$
MW: 270.87



0.5 M in tetrahydrofuran: **497541**

4-Bromobenzylzinc bromide solution R

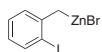
$C_7H_6Br_2Zn$
MW: 315.32
[115055-85-1]



0.5 M in tetrahydrofuran: **499463**

2-Iodobenzylzinc bromide solution R

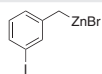
C_7H_6BrIZn
MW: 362.32
[117269-71-3]



0.5 M in tetrahydrofuran: **635650**

3-Iodobenzylzinc bromide solution R

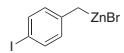
C_7H_6BrIZn
MW: 362.32



0.5 M in tetrahydrofuran: **533297**

4-Iodobenzylzinc bromide solution R

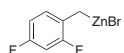
C_7H_6BrIZn
MW: 362.32



0.5 M in tetrahydrofuran: **533289**

2,4-Difluorobenzylzinc bromide solution R

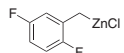
$C_7H_5BrF_2Zn$
MW: 272.41
[307496-26-0]



0.5 M in tetrahydrofuran: **520306**

2,5-Difluorobenzylzinc chloride solution R

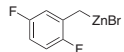
$C_7H_5ClF_2Zn$
MW: 227.95
[312692-89-0]



0.5 M in tetrahydrofuran: **498092**

2,5-Difluorobenzylzinc bromide solution R

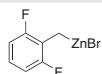
$C_7H_5BrF_2Zn$
MW: 272.41
[307496-32-8]



0.5 M in tetrahydrofuran: **521663**

2,6-Difluorobenzylzinc bromide solution R

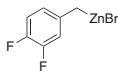
$C_7H_5BrF_2Zn$
MW: 272.41
[307496-33-9]



0.5 M in tetrahydrofuran: **521671**

3,4-Difluorobenzylzinc bromide solution R

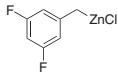
$C_7H_5BrF_2Zn$
MW: 272.41
[307496-34-0]



0.5 M in tetrahydrofuran: **521698**

3,5-Difluorobenzylzinc chloride solution R

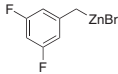
$C_7H_5ClF_2Zn$
MW: 227.95



0.5 M in tetrahydrofuran: **498440**

3,5-Difluorobenzylzinc bromide solution R

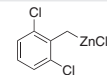
$C_7H_5BrF_2Zn$
MW: 272.41
[308796-30-7]



0.5 M in tetrahydrofuran: **499471**

2,6-Dichlorobenzylzinc chloride solution R

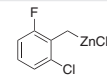
$C_7H_5Cl_2Zn$
MW: 260.86
[307531-80-2]



0.5 M in tetrahydrofuran: **533351**

2-Chloro-6-fluorobenzylzinc chloride solution R

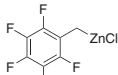
C_7H_5ClFZn
MW: 244.41
[307531-98-2]



0.5 M in tetrahydrofuran: **535257**

2,3,4,5,6-Pentafluorobenzylzinc chloride solution R

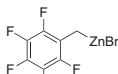
$C_7H_2ClF_5Zn$
MW: 281.93
[308796-02-3]



0.5 M in tetrahydrofuran: **499064**

2,3,4,5,6-Pentafluorobenzylzinc bromide solution R

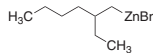
$C_7H_2BrF_5Zn$
MW: 326.38
[352534-75-9]



0.5 M in tetrahydrofuran: **541273**

2-Ethylhexylzinc bromide solution R

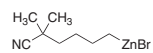
$C_8H_{17}BrZn$
MW: 258.51
[312693-03-1]



0.5 M in tetrahydrofuran: **498556**

5-Cyano-5-methylhexylzinc bromide solution R

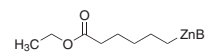
$C_8H_{14}BrNZn$
MW: 269.50
[312693-22-4]



0.5 M in tetrahydrofuran: **498920**

6-Ethoxy-6-oxohexylzinc bromide solution R

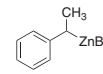
$C_8H_{15}BrO_2Zn$
MW: 288.50
[312693-01-9]



0.5 M in tetrahydrofuran: **498505**

α-Methylbenzylzinc bromide solution R

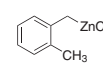
C_8H_9BrZn
MW: 250.45
[85459-20-7]



0.5 M in tetrahydrofuran: **498777**

2-Methylbenzylzinc chloride solution R

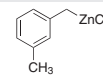
C_8H_9ClZn
MW: 206.00
[312693-19-9]



0.5 M in tetrahydrofuran: **498866**

3-Methylbenzylzinc chloride solution R

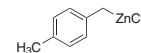
C_8H_9ClZn
MW: 206.00
[312693-20-2]



0.5 M in tetrahydrofuran: **498874**

4-Methylbenzylzinc chloride solution R

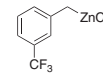
C_8H_9ClZn
MW: 206.00
[312693-21-3]



0.5 M in tetrahydrofuran: **498882**

3-(Trifluoromethyl)benzylzinc chloride solution R

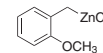
$C_8H_6ClF_3Zn$
MW: 259.97
[480438-42-4]



0.5 M in tetrahydrofuran: **561045**

2-Methoxybenzylzinc chloride solution R

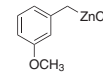
C_8H_9ClOZn
MW: 222.00
[312693-15-5]



0.5 M in tetrahydrofuran: **498785**

3-Methoxybenzylzinc chloride solution R

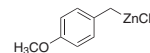
C_8H_9ClOZn
MW: 222.00
[312693-16-6]



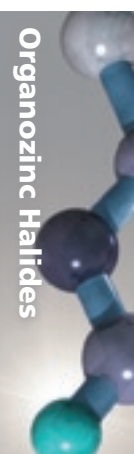
0.5 M in tetrahydrofuran: **498793**

4-Methoxybenzylzinc chloride solution R

C_8H_9ClOZn
MW: 222.00
[312693-17-7]

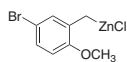


0.5 M in tetrahydrofuran: **498807**



5-Bromo-2-methoxybenzylzinc chloride solution R

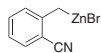
$C_8H_8BrClOZn$
MW: 300.90
[352530-35-9]



0.5 M in tetrahydrofuran: **533394**

2-Cyanobenzylzinc bromide solution R

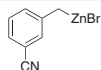
C_8H_6BrNZn
MW: 261.43
[199465-66-2]



0.5 M in tetrahydrofuran: **520322**

3-Cyanobenzylzinc bromide solution R

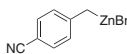
C_8H_6BrNZn
MW: 261.43
[117269-72-4]



0.5 M in tetrahydrofuran: **517372**

4-Cyanobenzylzinc bromide solution R

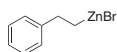
C_8H_6BrNZn
MW: 261.43
[135579-87-2]



0.5 M in tetrahydrofuran: **517380**

Phenethylzinc bromide solution R

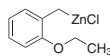
C_8H_9BrZn
MW: 250.45
[308796-14-7]



0.5 M in tetrahydrofuran: **499307**

2-Ethoxybenzylzinc chloride solution R

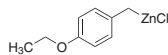
$C_9H_{11}ClOZn$
MW: 236.03
[308796-28-3]



0.5 M in tetrahydrofuran: **499447**

4-Ethoxybenzylzinc chloride solution R

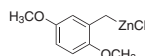
$C_9H_{11}ClOZn$
MW: 236.03
[308796-29-4]



0.5 M in tetrahydrofuran: **499455**

2,5-Dimethoxybenzylzinc chloride solution R

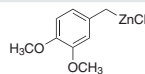
$C_9H_{11}ClO_2Zn$
MW: 252.03
[352530-32-6]



0.5 M in tetrahydrofuran: **533319**

3,4-Dimethoxybenzylzinc chloride solution R

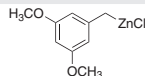
$C_9H_{11}ClO_2Zn$
MW: 252.03
[307531-79-9]



0.5 M in tetrahydrofuran: **533327**

3,5-Dimethoxybenzylzinc chloride solution R

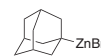
$C_9H_{11}ClO_2Zn$
MW: 252.03
[352530-33-7]



0.5 M in tetrahydrofuran: **533335**

1-Adamantylzinc bromide solution R

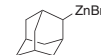
$C_{10}H_{15}BrZn$
MW: 280.52
[312624-15-0]



0.5 M in tetrahydrofuran: **497606**

2-Adamantylzinc bromide solution R

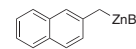
$C_{10}H_{15}BrZn$
MW: 280.52
[171860-65-4]



0.5 M in tetrahydrofuran: **497614**

(2-Naphthylmethyl)zinc bromide solution R

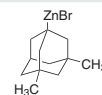
$C_{11}H_9BrZn$
MW: 286.48
[152329-44-7]



0.5 M in tetrahydrofuran: **499021**

3,5-Dimethyl-1-adamantylzinc bromide solution R

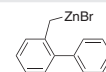
$C_{12}H_{19}BrZn$
MW: 308.57
[312692-99-2]



0.5 M in tetrahydrofuran: **498432**

(2-Biphenylmethyl)zinc bromide solution R

$C_{13}H_{11}BrZn$
MW: 312.52
[312624-17-2]



0.5 M in tetrahydrofuran: **497622**


















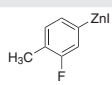


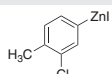







Alkenyl**1-Phenylvinylzinc bromide solution** R

C_8H_7BrZn
MW: 248.44
[151073-86-8]



0.5 M in tetrahydrofuran: **499390**

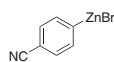
Aryl

Phenylzinc bromide solution R C_6H_5BrZn MW: 222.40 [32111-44-3]  0.5 M in tetrahydrofuran: 524719	4-Chloro-3-fluorophenylzinc iodide solution R $C_6H_3ClFIZn$ MW: 321.83 [312693-42-8]  0.5 M in tetrahydrofuran: 524506	3,5-Dichlorophenylzinc iodide solution R $C_6H_3Cl_2IZn$ MW: 338.29 [312692-86-7]  0.5 M in tetrahydrofuran: 498076
Phenylzinc iodide solution R C_6H_5IZn MW: 269.40 [23665-09-0]  0.5 M in tetrahydrofuran: 499331	3-Chloro-4-fluorophenylzinc iodide solution R $C_6H_3ClFIZn$ MW: 321.83 [312624-19-4]  0.5 M in tetrahydrofuran: 497789	2-Methylphenylzinc iodide solution R C_7H_7IZn MW: 283.42 [312693-23-5]  0.5 M in tetrahydrofuran: 498939
2-Fluorophenylzinc iodide solution R C_6H_4FIZn MW: 287.39 [186000-41-9]  0.5 M in tetrahydrofuran: 533513	4-Bromo-2-fluorophenylzinc iodide solution R $C_6H_3BrFIZn$ MW: 366.28 [352530-44-0]  0.5 M in tetrahydrofuran: 535249	3-Methylphenylzinc iodide solution R C_7H_7IZn MW: 283.42 [312693-24-6]  0.5 M in tetrahydrofuran: 498947
3-Fluorophenylzinc iodide solution R C_6H_4FIZn MW: 287.39 [307496-28-2]  0.5 M in tetrahydrofuran: 520489	4-Bromo-3-fluorophenylzinc iodide solution R $C_6H_3BrFIZn$ MW: 366.28 [352525-65-6]  0.5 M in tetrahydrofuran: 497630	4-Methylphenylzinc iodide solution R C_7H_7IZn MW: 283.42 [300766-53-4]  0.5 M in tetrahydrofuran: 498955
4-Fluorophenylzinc bromide solution R C_6H_4BrFZn MW: 240.39 [181705-93-1]  0.5 M in tetrahydrofuran: 498645	3,5-Difluorophenylzinc bromide solution R $C_6H_3BrF_2Zn$ MW: 258.38 [307531-85-7]  0.5 M in tetrahydrofuran: 533726	5-Fluoro-2-methylphenylzinc iodide solution R C_7H_6FIZn MW: 301.42 [312693-09-7]  0.5 M in tetrahydrofuran: 498629
2-Chlorophenylzinc iodide solution R C_6H_4ClIZn MW: 303.84 [148651-35-8]  0.5 M in tetrahydrofuran: 499803	2,3-Dichlorophenylzinc iodide solution R $C_6H_3Cl_2IZn$ MW: 338.29 [307531-97-1]  0.5 M in tetrahydrofuran: 535214	3-Fluoro-4-methylphenylzinc iodide solution R C_7H_6FIZn MW: 301.42 [312693-08-6]  0.5 M in tetrahydrofuran: 498610
3-Chlorophenylzinc iodide solution R C_6H_4ClIZn MW: 303.84 [186000-42-0]  0.5 M in tetrahydrofuran: 497827	2,4-Dichlorophenylzinc iodide solution R $C_6H_3Cl_2IZn$ MW: 338.29 [352530-42-8]  0.5 M in tetrahydrofuran: 535222	3-Chloro-4-methylphenylzinc iodide solution R C_7H_6ClIZn MW: 317.87 [352525-66-7]  0.5 M in tetrahydrofuran: 497800
4-Chlorophenylzinc iodide solution R C_6H_4ClIZn MW: 303.84 [151073-70-0]  0.5 M in tetrahydrofuran: 497835	2,5-Dichlorophenylzinc iodide solution R $C_6H_3Cl_2IZn$ MW: 338.29 [352530-43-9]  0.5 M in tetrahydrofuran: 535230	2-Cyanophenylzinc bromide solution R C_7H_4BrNZn MW: 247.41 [131379-17-4]  0.5 M in tetrahydrofuran: 520233
3-Bromophenylzinc iodide solution R C_6H_4BrIZn MW: 348.29 [186000-44-2]  0.5 M in tetrahydrofuran: 497649	3,4-Dichlorophenylzinc iodide solution R $C_6H_3Cl_2IZn$ MW: 338.29 [312692-85-6]  0.5 M in tetrahydrofuran: 498068	3-Cyanophenylzinc iodide solution R C_7H_4INZn MW: 294.41 [288309-53-5]  0.5 M in tetrahydrofuran: 497940
4-Bromophenylzinc iodide solution R C_6H_4BrIZn MW: 348.29 [148651-39-2]  0.5 M in tetrahydrofuran: 497657		



4-Cyanophenylzinc bromide solution R

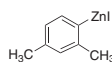
C_7H_4BrNZn
MW: 247.41
[131379-14-1]



0.5 M in tetrahydrofuran: **520292**

2,4-Dimethylphenylzinc iodide solution R

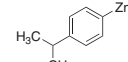
C_8H_9IZn
MW: 297.45
[312692-95-8]



0.5 M in tetrahydrofuran: **498386**

4-Isopropylphenylzinc iodide solution R

$C_9H_{11}IZn$
MW: 311.48
[308796-20-5]



0.5 M in tetrahydrofuran: **499366**

2-Methoxyphenylzinc iodide solution R

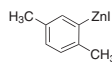
C_7H_7IOZn
MW: 299.42
[282727-20-2]



0.5 M in tetrahydrofuran: **498823**

2,5-Dimethylphenylzinc iodide solution R

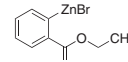
C_8H_9IZn
MW: 297.45
[312692-96-9]



0.5 M in tetrahydrofuran: **498394**

2-(Ethoxycarbonyl)phenylzinc bromide solution R

$C_9H_9BrO_2Zn$
MW: 294.46
[131379-40-3]



0.5 M in tetrahydrofuran: **520470**

3-Methoxyphenylzinc iodide solution R

C_7H_7IOZn
MW: 299.42
[300825-30-3]



0.5 M in tetrahydrofuran: **498831**

2,6-Dimethylphenylzinc iodide solution R

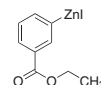
C_8H_9IZn
MW: 297.45
[282727-21-3]



0.5 M in tetrahydrofuran: **498408**

3-(Ethoxycarbonyl)phenylzinc iodide solution R

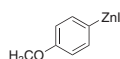
$C_9H_9IO_2Zn$
MW: 341.46
[282727-18-8]



0.5 M in tetrahydrofuran: **498467**

4-Methoxyphenylzinc iodide solution R

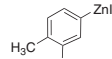
C_7H_7IOZn
MW: 299.42
[254454-47-2]



0.5 M in tetrahydrofuran: **498858**

3,4-Dimethylphenylzinc iodide solution R

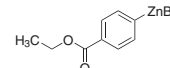
C_8H_9IZn
MW: 297.45
[312692-97-0]



0.5 M in tetrahydrofuran: **498416**

4-(Ethoxycarbonyl)phenylzinc bromide solution R

$C_9H_9BrO_2Zn$
MW: 294.46
[131379-15-2]



0.5 M in tetrahydrofuran: **520284**

2-(Methylthio)phenylzinc iodide solution R

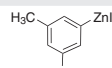
C_7H_7ISZn
MW: 315.49
[308796-24-9]



0.5 M in tetrahydrofuran: **499420**

3,5-Dimethylphenylzinc iodide solution R

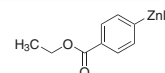
C_8H_9IZn
MW: 297.45
[312692-98-1]



0.5 M in tetrahydrofuran: **498424**

4-(Ethoxycarbonyl)phenylzinc iodide solution R

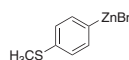
$C_9H_9IO_2Zn$
MW: 341.46
[131379-16-3]



0.5 M in tetrahydrofuran: **498475**

4-(Methylthio)phenylzinc bromide solution R

C_7H_7BrSZn
MW: 268.49
[307496-24-8]



0.5 M in tetrahydrofuran: **520225**

2-Acetoxyphenylzinc iodide solution R

$C_8H_7IO_2Zn$
MW: 327.43



0.5 M in tetrahydrofuran: **630357**

1-Naphthylzinc iodide solution R

$C_{10}H_7IZn$
MW: 319.46
[46000-10-6]



0.5 M in tetrahydrofuran: **499048**

2-Ethylphenylzinc iodide solution R

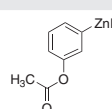
C_8H_9IZn
MW: 297.45
[282727-19-9]



0.5 M in tetrahydrofuran: **498564**

3-Acetoxyphenylzinc iodide solution R

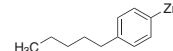
$C_8H_7IO_2Zn$
MW: 327.43



0.5 M in tetrahydrofuran: **630373**

4-Pentylphenylzinc iodide solution R

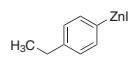
$C_{11}H_{15}IZn$
MW: 339.53
[308796-05-6]



0.5 M in tetrahydrofuran: **499080**

4-Ethylphenylzinc iodide solution R

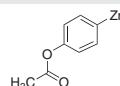
C_8H_9IZn
MW: 297.45
[312693-04-2]



0.5 M in tetrahydrofuran: **498572**

4-Acetoxyphenylzinc iodide solution R

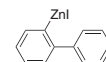
$C_8H_7IO_2Zn$
MW: 327.43



0.5 M in tetrahydrofuran: **630365**

2-Biphenylzinc iodide solution R

$C_{12}H_9IZn$
MW: 345.49



0.5 M in tetrahydrofuran: **630411**

2,3-Dimethylphenylzinc iodide solution R

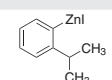
C_8H_9IZn
MW: 297.45
[312692-94-7]



0.5 M in tetrahydrofuran: **498378**

2-Isopropylphenylzinc iodide solution R

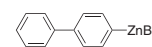
$C_9H_{11}IZn$
MW: 311.48
[308796-17-0]



0.5 M in tetrahydrofuran: **499358**

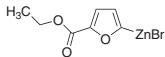
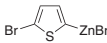

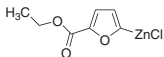
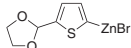
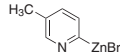

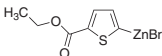
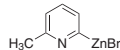


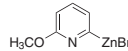


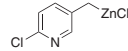
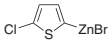

4-Biphenylzinc bromide solution R

$C_{12}H_9BrZn$
MW: 298.49
[312693-44-0]



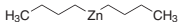

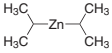


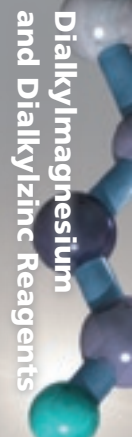
0.5 M in tetrahydrofuran: **524727**

Heteroaryl

5-Ethoxycarbonyl-2-furyl zinc bromide solution $C_7H_7BrO_3Zn$ MW: 284.42  0.5 M in tetrahydrofuran: 641812	5-Bromo-2-thienyl zinc bromide solution $C_4H_2Br_2SZn$ MW: 307.32 [151073-94-8]  0.5 M in tetrahydrofuran: 497665	4-Methyl-2-pyridyl zinc bromide solution C_6H_6BrNZn MW: 237.41 [308795-93-9]  0.5 M in tetrahydrofuran: 498998
5-Ethoxycarbonyl-2-furyl zinc chloride solution $C_8H_9ClO_3Zn$ MW: 254.00 [352530-38-2]  0.5 M in tetrahydrofuran: 533564	5-(1,3-Dioxolan-2-yl)-2-thienyl zinc bromide solution $C_7H_7BrO_2SZn$ MW: 300.49 [307531-84-6]  0.5 M in tetrahydrofuran: 533696	5-Methyl-2-pyridyl zinc bromide solution C_6H_6BrNZn MW: 237.41 [257876-05-4]  0.5 M in tetrahydrofuran: 499005
2-Thienyl zinc bromide solution C_4H_3BrSZn MW: 228.43 [45438-80-0]  0.5 M in tetrahydrofuran: 499412	5-Ethoxycarbonyl-2-thienyl zinc bromide solution $C_7H_7BrO_2SZn$ MW: 300.49 [352530-37-1]  0.5 M in tetrahydrofuran: 533548	6-Methyl-2-pyridyl zinc bromide solution C_6H_6BrNZn MW: 237.41 [308795-98-4]  0.5 M in tetrahydrofuran: 499013
3-Thienyl zinc iodide solution $C_4H_3I_2SZn$ MW: 275.43 [172035-85-7]  0.5 M in tetrahydrofuran: 561622	2-Thiazolyl zinc bromide solution $C_3H_2BrNSZn$ MW: 229.41 [173382-28-0]  0.5 M in tetrahydrofuran: 499404	6-Methoxy-2-pyridyl zinc bromide solution $C_6H_6BrNOZn$ MW: 253.41 [352530-39-3]  0.5 M in tetrahydrofuran: 533718
3-Methyl-2-thienyl zinc bromide solution C_5H_5BrSZn MW: 242.45 [312693-45-1]  0.5 M in tetrahydrofuran: 525111	2-Pyridyl zinc bromide solution C_5H_4BrNZn MW: 223.39 [218777-23-2]  0.5 M in tetrahydrofuran: 499382	(2-Chloro-5-pyridyl)methyl zinc chloride solution $C_6H_5Cl_2NZn$ MW: 227.41 [352530-36-0]  0.5 M in tetrahydrofuran: 533475
5-Chloro-2-thienyl zinc bromide solution $C_4H_2BrClSZn$ MW: 262.87 [312624-22-9]  0.5 M in tetrahydrofuran: 497843	3-Methyl-2-pyridyl zinc bromide solution C_6H_6BrNZn MW: 237.41 [308795-91-7]  0.5 M in tetrahydrofuran: 498971	

Dialkylmagnesium and Dialkylzinc Reagents

Di-n-butylmagnesium solution $C_8H_{18}Mg$ MW: 138.53 [1191-47-5]  ~0.75 M in diethyl ether: 34765 1.0 M in heptane: 345113	Diethylzinc solution $C_4H_{10}Zn$ MW: 123.51 [557-20-0]  neat: 256781 1.0 M in hexanes: 296112 1.0 M in heptane: 406023 15 wt. % in toluene: 220809	Dibutylzinc solution $C_8H_{18}Zn$ MW: 179.62 [1119-90-0]  ~1 M in heptane: 34905
Dimethylzinc solution C_2H_6Zn MW: 95.46 [544-97-8]  1.0 M in heptane: 417246 2.0 M in toluene: 364401	Diisopropylzinc solution $C_6H_{14}Zn$ MW: 151.57 [625-81-0]  1.0 M in toluene: 568112	



Argentina

SIGMA-ALDRICH DE ARGENTINA S.A.
Free Tel: 0810 888 7446
Tel: (+54) 11 4556 1472
Fax: (+54) 11 4552 1698

Australia

SIGMA-ALDRICH PTY LTD.
Free Tel: 1800 800 097
Free Fax: 1800 800 096
Tel: (+61) 2 9841 0555
Fax: (+61) 2 9841 0500

Austria

SIGMA-ALDRICH HANDELS GmbH
Tel: (+43) 1 605 81 10
Fax: (+43) 1 605 81 20

Belgium

SIGMA-ALDRICH NV/SA.
Free Tel: 0800 14747
Free Fax: 0800 14745
Tel: (+32) 3 899 13 01
Fax: (+32) 3 899 13 11

Brazil

SIGMA-ALDRICH BRASIL LTDA.
Free Tel: 0800 701 7425
Tel: (+55) 11 3732 3100
Fax: (+55) 11 5522 9895

Canada

SIGMA-ALDRICH CANADA LTD.
Free Tel: 1800 565 1400
Free Fax: 1800 265 3858
Tel: (+1) 905 829 9500
Fax: (+1) 905 829 9292

China

SIGMA-ALDRICH (SHANGHAI)
TRADING CO. LTD.
Free Tel: 800 819 3336
Tel: (+86) 21 6141 5566
Fax: (+86) 21 6141 5567

Czech Republic

SIGMA-ALDRICH S.R.O.
Tel: (+420) 246 003 200
Fax: (+420) 246 003 291

Denmark

SIGMA-ALDRICH DENMARK A/S
Tel: (+45) 43 56 59 10
Fax: (+45) 43 56 59 05

Finland

SIGMA-ALDRICH FINLAND OY
Tel: (+358) 9 350 9250
Fax: (+358) 9 350 92555

France

SIGMA-ALDRICH CHIMIE S.à.r.l.
Free Tel: 0800 211 408
Free Fax: 0800 031 052
Tel: (+33) 474 82 28 00
Fax: (+33) 474 95 68 08

Germany

SIGMA-ALDRICH CHEMIE GmbH
Free Tel: 0800 51 55 000
Free Fax: 0800 64 90 000
Tel: (+49) 89 6513 0
Fax: (+49) 89 6513 1160

Greece

SIGMA-ALDRICH (O.M.) LTD.
Tel: (+30) 210 994 8010
Fax: (+30) 210 994 3831

Hungary

SIGMA-ALDRICH Kft
Ingyenes zöld telefon: 06 80 355 355
Ingyenes zöld fax: 06 80 344 344
Tel: (+36) 1 235 9055
Fax: (+36) 1 235 9050

India

SIGMA-ALDRICH CHEMICALS
PRIVATE LIMITED
Telephone
Bangalore: (+91) 80 6621 9600
New Delhi: (+91) 11 4165 4255
Mumbai: (+91) 22 2570 2364
Hyderabad: (+91) 40 6684 5488
Fax
Bangalore: (+91) 80 6621 9650
New Delhi: (+91) 11 4165 4266
Mumbai: (+91) 22 2579 7589
Hyderabad: (+91) 40 6684 5466

Ireland

SIGMA-ALDRICH IRELAND LTD.
Free Tel: 1800 200 888
Free Fax: 1800 600 222
Tel: (+353) 1 404 1900
Fax: (+353) 1 404 1910

Israel

SIGMA-ALDRICH ISRAEL LTD.
Free Tel: 1 800 70 2222
Tel: (+972) 8 948 4100
Fax: (+972) 8 948 4200

Italy

SIGMA-ALDRICH S.r.l.
Numero Verde: 800 827018
Tel: (+39) 02 3341 7310
Fax: (+39) 02 3801 0737

Japan

SIGMA-ALDRICH JAPAN K.K.
Tokyo Tel: (+81) 3 5796 7300
Tokyo Fax: (+81) 3 5796 7315

Korea

SIGMA-ALDRICH KOREA
Free Tel: (+82) 80 023 7111
Free Fax: (+82) 80 023 8111
Tel: (+82) 31 329 9000
Fax: (+82) 31 329 9090

Malaysia

SIGMA-ALDRICH (M) SDN. BHD
Tel: (+60) 3 5635 3321
Fax: (+60) 3 5635 4116

Mexico

SIGMA-ALDRICH QUÍMICA, S.A. de C.V.
Free Tel: 01 800 007 5300
Free Fax: 01 800 712 9920
Tel: 52 722 276 1600
Fax: 52 722 276 1601

The Netherlands

SIGMA-ALDRICH CHEMIE BV
Free Tel: 0800 022 9088
Free Fax: 0800 022 9089
Tel: (+31) 78 620 5411
Fax: (+31) 78 620 5421

New Zealand

SIGMA-ALDRICH NEW ZEALAND LTD.
Free Tel: 0800 936 666
Free Fax: 0800 937 777
Tel: (+61) 2 9841 0555
Fax: (+61) 2 9841 0500

Norway

SIGMA-ALDRICH NORWAY AS
Tel: (+47) 23 17 60 60
Fax: (+47) 23 17 60 50

Poland

SIGMA-ALDRICH Sp. z o.o.
Tel: (+48) 61 829 01 00
Fax: (+48) 61 829 01 20

Portugal

SIGMA-ALDRICH QUÍMICA, S.A.
Free Tel: 800 202 180
Free Fax: 800 202 178
Tel: (+351) 21 924 2555
Fax: (+351) 21 924 2610

Russia

SIGMA-ALDRICH RUS, LLC
Tel: +7 (495) 621 6037
Fax: +7 (495) 621 5923

Singapore

SIGMA-ALDRICH PTE. LTD.
Tel: (+65) 6779 1200
Fax: (+65) 6779 1822

South Africa

SIGMA-ALDRICH
SOUTH AFRICA (PTY) LTD.
Free Tel: 0800 1100 75
Free Fax: 0800 1100 79
Tel: (+27) 11 979 1188
Fax: (+27) 11 979 1119

Spain

SIGMA-ALDRICH QUÍMICA, S.A.
Free Tel: 900 101 376
Free Fax: 900 102 028
Tel: (+34) 91 661 99 77
Fax: (+34) 91 661 96 42

Sweden

SIGMA-ALDRICH SWEDEN AB
Tel: (+46) 8 742 4200
Fax: (+46) 8 742 4243

Switzerland

SIGMA-ALDRICH CHEMIE GmbH
Free Tel: 0800 80 00 80
Free Fax: 0800 80 00 81
Tel: (+41) 81 755 2828
Fax: (+41) 81 755 2815

United Kingdom

SIGMA-ALDRICH COMPANY LTD.
Free Tel: 0800 717 181
Free Fax: 0800 378 785
Tel: (+44) 1747 833 000
Fax: (+44) 1747 833 313
SAFC (UK) Free Tel: 0800 71 71 17

United States

SIGMA-ALDRICH
P.O. Box 14508
St. Louis, Missouri 63178
Toll-Free: 800 325 3010
Toll-Free Fax: 800 325 5052
Call Collect: (+1) 314 771 5750
Tel: (+1) 314 771 5765
Fax: (+1) 314 771 5757

Internet

sigma-aldrich.com

World Headquarters

3050 Spruce St., St. Louis, MO 63103
(314) 771-5765
sigma-aldrich.com

Order/Customer Service (800) 325-3010 • Fax (800) 325-5052

Technical Service (800) 325-5832 • sigma-aldrich.com/techservice

Development/Bulk Manufacturing Inquiries SAFC™ (800) 244-1173

The SIGMA-ALDRICH Group

©2007 Sigma-Aldrich Co. All rights reserved.

SIGMA, ALDRICH, SAFC, SAFC™, SIGMA-ALDRICH, II, ISOTEC, ALDRICH, FLUKA, T, and SUPELCO are trademarks belonging to Sigma-Aldrich Co. and its affiliate Sigma-Aldrich Biotechnology, L.P. Riedel-de Haën® trademark under license from Riedel-de Haën GmbH. Sigma brand products are sold through Sigma-Aldrich, Inc. Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply. Please see reverse side of the invoice or packing slip.



SIGMA-ALDRICH

*Accelerating Customers' Success
through Leadership in Life Science,
High Technology and Service*

SIGMA-ALDRICH™

3050 Spruce Street • St. Louis, MO 63103 USA

JJU
02264-503201
0047

Chem Files7-4 価格表

製品番号	容量と価格(¥)			
171565	100M L	5,300	800M L	22,800
189871	100M L	6,400	800M L	25,900
189898	100M L	5,300	800M L	21,400
189901	100M L	7,200	800M L	27,700
220809	100G	27,300	800G	97,700
224375	100M L	6,600	800M L	20,500
224383	100M L	6,300	800M L	18,300
224391	100M L	7,200	800M L	26,000
224405	100M L	8,600	800M L	38,500
224413	100M L	6,400	800M L	21,800
224421	100M L	6,600	800M L	18,600
224448	100M L	6,700	800M L	19,600
224499	100M L	6,600	800M L	27,800
225584	100M L	6,200	800M L	20,400
225746	100M L	6,600	800M L	33,300
225754	100M L	5,900	800M L	24,000
225908	100M L	7,600	800M L	36,600
225916	100M L	7,900	800M L	35,900
227234	100M L	12,400	800M L	65,000
230111	100M L	6,200	800M L	19,500
245550	100M L	9,800	800M L	48,800
254363	100M L	8,000	800M L	41,300
255025	100M L	6,600	800M L	21,100
256021	100M L	16,400		
256609	200M L	19,500		
256617	200M L	23,700		
256692	200M L	23,300		
256781	100G	32,900		
256978	200M L	28,600		
257028	200M L	18,800		
257036	200M L	22,800		
257087	200M L	23,000		
257095	200M L	23,300		
257109	200M L	27,000		
257117	200M L	21,700		
257125	200M L	20,200		
257257	200M L	18,300		
262188	100M L	6,800	800M L	22,200
277282	100M L	23,700		
282235	100M L	6,200	800M L	17,700
290998	100M L	6,200	800M L	25,700
291005	100M L	7,200	800M L	22,100
293091	100M L	20,500		
296112	100M L	8,000	800M L	29,400
298980	100M L	17,200	800M L	89,100
300330	100M L	6,600	800M L	21,100
302430	100M L	7,000	800M L	37,000
302759	100M L	5,800	800M L	18,200
303828	100M L	7,200	800M L	25,700
310018	100M L	10,200		
324566	100M L	9,800	800M L	40,600
324655	50M L	23,100	500M L	123,300
328820	100M L	5,800	800M L	19,100
331376	100M L	5,000	800M L	9,400
332402	100M L	7,200	800M L	37,900
337781	100M L	5,400	800M L	12,800

製品番号	容量と価格(¥)			
338257	100M L	8,600	800M L	35,700
339628	100M L	8,400	800M L	20,700
344605	50M L	10,100		
345105	100M L	7,600	800M L	32,400
345113	100M L	5,400	800M L	18,400
346152	100M L	5,200	800M L	17,900
346160	100M L	5,400	800M L	17,800
347108	100M L	5,400	800M L	17,900
34765	100M L	9,500		
34905	100M L	20,700	500M L	81,700
357510	100M L	9,000		
360023	100M L	7,700	800M L	28,900
364401	50M L	11,600	500M L	41,800
364649	100M L	6,700	800M L	29,200
364657	200M L	20,100		
364665	200M L	21,700		
364673	100M L	5,400	800M L	31,400
372005	100M L	15,600	800M L	61,800
394262	100M L	10,800	800M L	37,600
405299	100M L	13,200	800M L	51,100
406023	100M L	8,500	800M L	21,500
417246	50M L	34,100		
417297	50M L	57,400		
419532	25M L	7,200	100M L	19,300
419540	100M L	12,500	800M L	43,200
419567	100M L	9,700	800M L	32,800
419583	100M L	23,300	1L	91,600
419591	100M L	38,300	800M L	152,600
419605	100M L	8,500	800M L	24,500
419613	100M L	14,100	800M L	44,800
420042	100M L	6,100	800M L	28,400
420204	100M L	3,300	800M L	17,400
424056	50M L	41,700		
424684	100M L	8,000	800M L	24,300
425508	100M L	12,500	800M L	48,300
428337	100M L	13,900	800M L	46,800
429007	100M L	12,100	800M L	42,800
436291	100M L	8,000	800M L	38,100
442178	100M L	14,700	1L	81,200
442194	100M L	9,400	800M L	31,300
442585	100M L	18,700		
469033	100G	7,800	500G	26,000
470260	100M L	8,100	1L	22,800
470414	100M L	11,200	1L	44,900
472611	100M L	11,600	1L	67,800
476552	100M L	8,000	1L	36,200
479683	100M L	7,400	1L	37,200
497517	50M L	16,700		
497541	100M L	77,100		
497568	50M L	17,000		
497576	50M L	17,500		
497606	50M L	16,700		
497614	50M L	23,300		
497622	50M L	23,300		
497630	100M L	23,800		
497649	50M L	21,200		

Chem Files7-4 価格表

製品番号	容量と価格(¥)		
497657	50M L	16,700	
497665	50M L	17,500	
497738	50M L	15,600	
497746	50M L	15,800	
497754	50M L	18,400	
497762	50M L	16,700	
497770	50M L	16,700	
497789	50M L	28,000	
497797	50M L	19,300	
497800	100M L	80,700	
497819	50M L	18,100	
497827	50M L	16,100	
497835	50M L	17,500	
497843	50M L	18,900	
497894	50M L	20,600	
497908	50M L	18,400	
497924	50M L	23,000	
497940	50M L	32,200	
497967	50M L	17,500	
498025	50M L	18,100	
498033	50M L	18,200	
498041	50M L	16,100	
498068	50M L	18,600	
498076	50M L	23,300	
498092	50M L	29,400	
498378	50M L	19,800	
498386	50M L	20,300	
498394	50M L	22,300	
498408	100M L	118,000	
498416	50M L	19,300	
498424	50M L	18,900	
498432	50M L	27,200	
498440	100M L	52,400	
498467	50M L	20,300	
498475	50M L	20,300	
498491	50M L	16,300	
498505	50M L	17,000	
498513	50M L	20,000	
498521	50M L	19,600	
498548	50M L	26,100	
498556	50M L	16,700	
498564	50M L	18,400	
498572	50M L	17,000	
498580	50M L	16,300	
498599	50M L	16,700	
498602	50M L	18,400	
498610	50M L	21,800	
498629	50M L	29,300	
498645	50M L	16,100	
498696	50M L	17,500	
498718	50M L	21,800	
498726	50M L	22,800	
498734	50M L	21,800	
498742	50M L	21,800	
498750	50M L	22,300	
498769	50M L	15,600	

製品番号	容量と価格(¥)		
498777	50M L	16,300	
498785	50M L	22,300	
498793	50M L	20,800	
498807	50M L	20,300	
498815	50M L	25,200	
498823	50M L	18,400	
498831	50M L	18,400	
498858	50M L	17,500	
498866	50M L	17,500	
498874	50M L	17,500	
498882	50M L	14,700	
498890	50M L	15,600	
498904	50M L	15,600	
498920	50M L	16,300	
498939	50M L	18,600	
498947	50M L	17,300	
498955	50M L	17,500	
498963	50M L	16,300	
498971	50M L	20,300	
498998	50M L	26,100	
499005	50M L	22,300	
499013	50M L	21,800	
499021	50M L	17,500	
499048	50M L	19,300	
499056	50M L	18,400	
499064	50M L	23,700	
499072	50M L	21,800	
499080	50M L	28,000	
499269	50M L	21,200	
499277	50M L	16,300	
499285	50M L	15,600	
499307	50M L	18,900	
499331	50M L	14,700	
499358	50M L	19,800	
499366	50M L	25,400	
499374	50M L	13,800	
499382	50M L	17,800	
499390	50M L	22,800	
499404	50M L	18,400	
499412	50M L	16,300	
499420	50M L	28,000	
499447	50M L	25,100	
499455	50M L	25,100	
499463	50M L	17,500	
499471	50M L	32,200	
499498	50M L	24,900	
499552	100M L	65,700	
499579	100M L	69,600	
499803	50M L	29,700	
512931	100M L	31,000	
517372	50M L	17,500	
517380	50M L	18,400	
520225	50M L	26,100	
520233	50M L	26,100	
520284	50M L	35,700	
520292	50M L	26,100	

Chem Files7-4 価格表

製品番号	容量と価格(¥)			
	容量	価格	容量	価格
520306	50M L	28,800		
520314	50M L	18,600		
520322	50M L	20,700		
520489	50M L	18,400		
521663	50M L	26,100		
521671	50M L	32,200		
521698	50M L	21,800		
524506	50M L	28,000		
524719	50M L	14,700		
524727	50M L	20,300		
525111	50M L	27,200		
526797	25M L	16,100	100M L	44,300
529923	100M L	6,800	1L	37,000
533270	50M L	17,200		
533289	50M L	47,600		
533297	50M L	47,600		
533319	50M L	32,500		
533327	50M L	26,100		
533335	50M L	39,300		
533351	50M L	23,500		
533394	50M L	30,300		
533475	50M L	22,200		
533513	50M L	23,100		
533548	50M L	42,900		
533556	50M L	19,200		
533564	50M L	36,600		
533688	50M L	22,200		
533696	50M L	28,500		
533718	50M L	35,900		
533726	50M L	20,600		
535214	50M L	21,800		
535222	50M L	22,700		
535230	50M L	24,200		
535249	50M L	24,200		
535257	50M L	25,100		
541273	50M L	26,400		
550213	100M L	84,100		
550442	50M L	26,800		
550655	100M L	37,300	1L	205,900
550663	100M L	22,900		
550671	25M L	8,800	100M L	23,700
561029	50M L	18,600		
561037	50M L	18,600		
561045	50M L	27,500		
561061	50M L	24,300		
561622	50M L	32,500		
561630	50M L	34,100		
561657	50M L	24,300		
561665	50M L	17,200		
561673	50M L	18,600		
561681	50M L	19,900		
561711	50M L	21,600		
561738	50M L	25,600		
561746	50M L	22,800		
561754	50M L	28,100		
561762	50M L	22,800		

製品番号	容量と価格(¥)			
	容量	価格	容量	価格
561797	50M L	23,200		
561819	50M L	26,400		
561975	50M L	22,800		
561983	50M L	23,400		
520470	50M L	26,100		
562009	50M L	17,200		
562025	50M L	23,400		
562033	50M L	17,200		
562041	50M L	16,300		
562068	50M L	17,200		
562076	50M L	17,200		
562084	50M L	17,200		
562092	50M L	19,900		
562130	50M L	23,400		
562149	50M L	22,800		
562157	50M L	19,900		
562165	50M L	21,400		
562173	50M L	21,900		
562203	50M L	19,000		
562211	50M L	24,300		
562238	50M L	14,400		
562246	50M L	24,300		
562254	50M L	22,800		
562262	50M L	19,900		
562270	50M L	18,600		
562289	50M L	18,600		
563390	50M L	20,400		
563676	50M L	26,000		
563684	50M L	20,400		
563692	50M L	21,900		
563706	50M L	27,900		
563722	50M L	16,900		
563730	50M L	26,400		
563749	50M L	24,900		
563757	50M L	22,500		
563765	50M L	20,400		
563773	50M L	19,700		
563781	50M L	27,500		
563803	50M L	25,400		
563811	50M L	21,600		
563927	50M L	37,600		
568112	5M L	17,100	25M L	56,800
570818	50M L	16,800		
571121	50M L	44,800		
571156	50M L	39,900		
571164	50M L	36,400		
571172	50M L	54,600		
571180	50M L	52,400		
571199	50M L	35,700		
571202	50M L	33,500		
571210	50M L	39,900		
571229	50M L	36,400		
630357	50M L	59,500		
630365	50M L	59,600		
630373	50M L	71,900		
630381	50M L	53,600		

Chem Files7-4 価格表

製品番号	容量と価格(¥)			
630403	50M L	64,600		
630411	50M L	65,500		
630551	100M L	10,700	800M L	59,400
633143	50M L	62,000		
635650	50M L	43,600		
635669	50M L	18,700		
637629	50M L	19,400		
637963	100M L	12,400		
639052	50M L	14,600		
639125	50M L	29,700		
641626	100M L	9,800	800M L	31,400
641812	50M L	37,000		

製品番号	容量と価格(¥)			
646075	100M L	7,300	800M L	24,200
646946	50M L	20,600		
656984	10M L	3,900	100M L	12,700
662453	100M L	10,900	1L	45,300
663832	25M L	16,900	100M L	55,700
663891	100M L	6,400		
672998	100M L	43,600		
673005	100M L	39,300		
673013	50M L	33,000		
680966	50M L	27,000		
680974	50M L	36,000		
680982	50M L	31,800		

※本表の記載内容は2007年7月時点のものです。最新の取り扱い状況と価格はWebまたはカスタマーサービスへご確認ください。



SIGMA-ALDRICH

シグマアルドリッチジャパン株式会社

カスタマーサービス連絡先 tel: 03-5796-7320

fax: 03-5796-7325

e-mail: sisjpcs@sial.com