



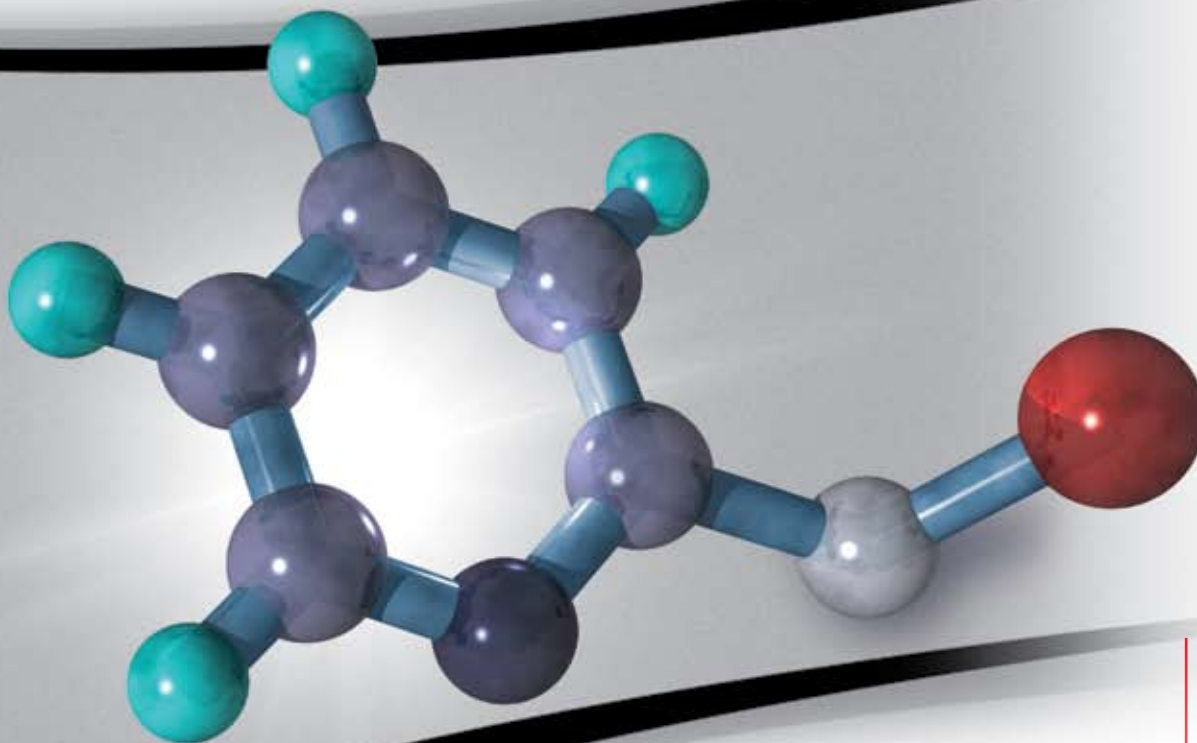
ChemFiles

Product Directory

2007
VOLUME 7
NUMBER 4

 **ALDRICH**

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.*



Table of Contents

Sigma-Aldrich is committed to providing the most extensive portfolio of high-quality Grignard, organozinc, and other organometallic reagents, and we continually expand our product listing. Within each section of this directory, products are listed by increasing carbon content.

Rieke® Highly Reactive Metals

Grignard Reagents

Alkyl Alkenyl Alkynyl Aryl Heteroaryl

Organozinc Halides

Alkyl Alkenyl Aryl Heteroaryl

Dialkylmagnesium and Dialkylzinc Reagents

If viewing the electronic version simply select a category to jump to that section or activate your Adobe Bookmarks. You may also search by name, product number, molecular formula, or CAS registry number simply by using the "find" feature in Adobe (Ctrl+F in Windows or Command+F in a Mac environment).

If you are unable to find a reagent for your research "Please Bother Us" at nwallock@sial.com, or contact your local Sigma-Aldrich office (see back cover).

Foreword

Reuben D. Rieke

President and CEO, Rieke Metals, Inc.

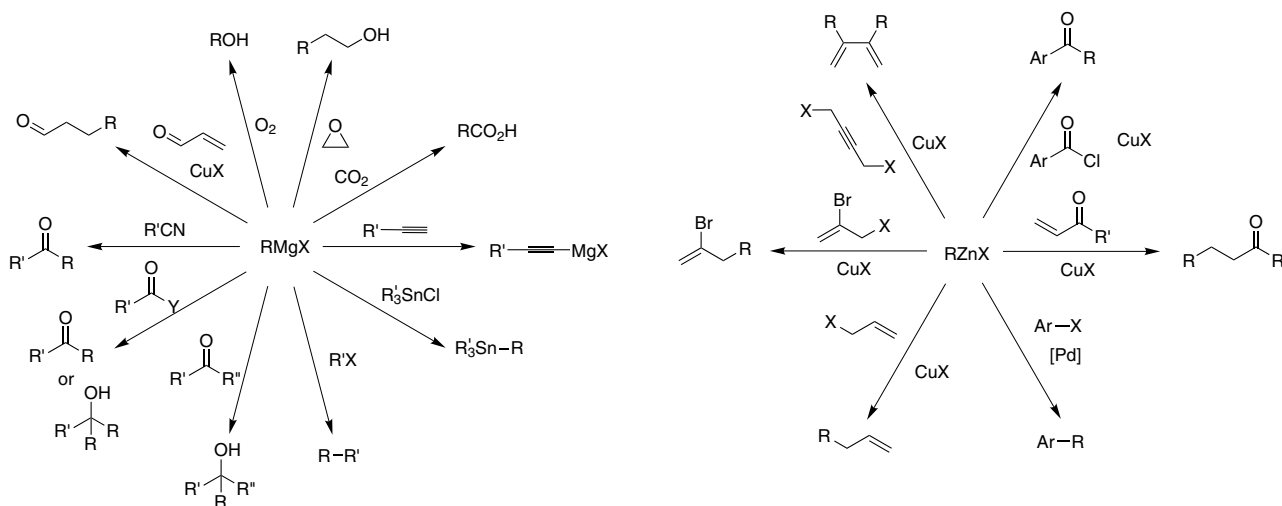
Professor Emeritus, University of Nebraska

Lincoln, NE

In the last 35 years, considerable research has been done in the area of generating reactive metals that can be used to synthesize novel organometallic reagents. In 1972, we reported a general approach for preparing highly reactive metal powders, relying on the reduction of metal salts with alkali metals in ethereal or hydrocarbon solvents. These useful metal powders were eventually named "Rieke metals" and they have greatly expanded the number of organometallic reagents that can be made.

Grignard reagents are some of the most widely employed organometallic reagents and a wealth of information is known about their reactivity. Although the formation of these reagents is commonly thought to be completely general, there are many organic halides that do not react with ordinary magnesium turnings. The use of Rieke® Magnesium dramatically increases the range of Grignard reagents that are possible by allowing reactions at lower temperatures and thus avoiding decomposition and side reactions. Rieke® Magnesium, as well as an abundant portfolio of pre-formed Grignard reagents, are conveniently available through Sigma-Aldrich.

Prior to the discovery of Rieke® Zinc, it was not possible to react alkyl, aryl, and vinyl bromides or chlorides directly with zinc metal. The preparation of these reagents was only possible by a metathesis reaction of a zinc halide with an organolithium or Grignard reagent. Unfortunately, this approach was of limited utility since the process was not compatible with many types of functional groups. Rieke® Zinc, on the other hand, will react directly with the bromides or chlorides and will tolerate a variety of sensitive groups such as nitriles, esters, amides, ethers, sulfides, and ketones to give functionalized organozinc reagents. Organozinc reagents are powerful C-C bond-forming tools, participating in Cu(I)-promoted reactions (developed at Rieke Metals, Inc.) or in Pd-catalyzed cross-coupling reactions, i.e. the Negishi coupling. Sigma-Aldrich offers Rieke® Zinc, as well as numerous pre-formed Rieke® organozinc reagents for use in these and other important reactions.



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

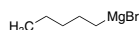
Methylmagnesium chloride solution CH_3ClMg MW: 74.79 [676-58-4]	$\text{H}_3\text{C}-\text{MgCl}$	Isopropylmagnesium chloride lithium chloride complex solution NEW $\text{C}_3\text{H}_7\text{Cl}_2\text{LiMg}$ MW: 145.24 [807329-97-1]	$\text{H}_3\text{C}-\text{CH}(\text{CH}_3)-\text{MgCl} \cdot \text{LiCl}$	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	
				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]	$\text{Cyclopropyl}-\text{MgBr}$	1-Methyl-2-propenylmagnesium chloride solution $\text{C}_4\text{H}_7\text{ClMg}$ MW: 114.86 [21969-32-4]	$\text{CH}_2=\text{CH}-\text{CH}(\text{CH}_3)-\text{MgCl}$
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]	$\text{CH}_2=\text{CH}-\text{CH}_2-\text{MgCl}$	2-Methylallylmagnesium chloride solution $\text{C}_4\text{H}_7\text{ClMg}$ MW: 114.86 [5674-01-1]	$\text{CH}_2=\text{CH}-\text{CH}(\text{CH}_3)-\text{MgCl}$
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]	$\text{CH}_2=\text{CH}-\text{CH}_2-\text{MgBr}$	2-Butenylmagnesium chloride solution $\text{C}_4\text{H}_7\text{ClMg}$ MW: 114.86 [22649-70-3]	$\text{H}_3\text{C}-\text{CH}=\text{CH}-\text{CH}_2-\text{MgCl}$
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]	$\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{MgCl}$	3-Butenylmagnesium bromide solution $\text{C}_4\text{H}_7\text{BrMg}$ MW: 159.31 [7103-09-5]	$\text{CH}_2=\text{CH}-\text{CH}_2-\text{CH}_2-\text{MgBr}$
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: 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]	$\text{H}_3\text{C}-\text{CH}(\text{CH}_3)-\text{CH}_2-\text{MgCl}$	(Trimethylsilyl)methylmagnesium chloride solution $\text{C}_4\text{H}_{11}\text{ClMgSi}$ MW: 146.97 [13170-43-9]	$\text{H}_3\text{C}-\text{Si}(\text{CH}_3)_2-\text{CH}_2-\text{MgCl}$
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]	$\text{H}_3\text{C}-\text{CH}(\text{CH}_3)-\text{CH}_2-\text{MgBr}$	(1,3-Dioxolan-2-ylmethyl)magnesium bromide solution $\text{C}_4\text{H}_7\text{BrMgO}_2$ MW: 191.31 [180675-22-3]	$\text{C}_4\text{H}_7\text{BrMgO}_2$
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]	$\text{H}_3\text{C}-\text{CH}_2-\text{CH}(\text{CH}_3)-\text{MgCl}$	Pentylmagnesium chloride solution $\text{C}_5\text{H}_{11}\text{ClMg}$ MW: 130.90 [6393-56-2]	$\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{MgCl}$
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					

R: Product of Rieke® Metals, Inc. ®Registered trademark of Rieke Metals, Inc.

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Pentylmagnesium bromide solution

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



2.0 M in diethyl ether: **290998**

Pentamethylenebis-(magnesium bromide) solution

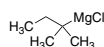
$C_5H_{10}Br_2Mg_2$
MW: 278.55
[23708-48-7]



0.5 M in tetrahydrofuran: **310018**

1,1-Dimethylpropylmagnesium chloride solution

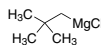
$C_5H_{11}ClMg$
MW: 130.90
[28276-08-6]



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

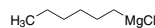
C_5H_9BrMg
MW: 173.33
[33240-34-5]



2.0 M in diethyl ether: **428337**

Hexylmagnesium chloride solution

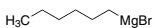
$C_6H_{13}ClMg$
MW: 144.93
[44767-62-6]



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

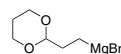
$C_6H_{11}ClMg$
MW: 142.91
[931-51-1]



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

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

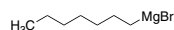
$C_8H_{11}BrMgO_2$
MW: 219.36
[480438-44-6]



0.5 M in tetrahydrofuran: **561657**

Heptylmagnesium bromide solution

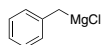
$C_7H_{15}BrMg$
MW: 203.40
[13125-66-1]



1.0 M in diethyl ether: **550655**

Benzylmagnesium chloride solution

C_7H_7ClMg
MW: 150.89
[6921-34-2]

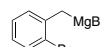


1.0 M in diethyl ether: **302759**

2.0 M in tetrahydrofuran: **225916**

2-Bromobenzylmagnesium bromide solution R

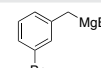
$C_7H_6Br_2Mg$
MW: 274.24
[56812-60-3]



0.25 M in diethyl ether: **562149**

3-Bromobenzylmagnesium bromide solution R

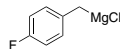
$C_7H_6Br_2Mg$
MW: 274.24
[107549-22-4]



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

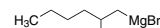
$C_8H_{17}BrMg$
MW: 217.43
[17049-49-9]



2.0 M in diethyl ether: **436291**

(2-Ethylhexyl)magnesium bromide solution

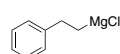
$C_8H_{17}BrMg$
MW: 217.43
[90224-21-8]



1.0 M in diethyl ether: **630551**

Phenethylmagnesium chloride solution

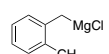
C_8H_9ClMg
MW: 164.92
[90878-19-6]



1.0 M in tetrahydrofuran: **424684**

2-Methylbenzylmagnesium chloride solution R

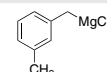
C_8H_9ClMg
MW: 164.92
[29875-05-6]



0.25 M in tetrahydrofuran: **562173**

3-Methylbenzylmagnesium chloride solution R

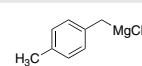
C_8H_9ClMg
MW: 164.92
[29875-06-7]



0.5 M in tetrahydrofuran: **562157**

4-Methylbenzylmagnesium chloride solution R

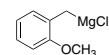
C_8H_9ClMg
MW: 164.92
[29875-07-8]



0.5 M in tetrahydrofuran: **563773**

2-Methoxybenzylmagnesium chloride solution R

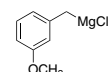
C_8H_9ClMgO
MW: 180.91
[480438-46-8]



0.25 M in tetrahydrofuran: **562092**

3-Methoxybenzylmagnesium chloride solution R

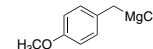
C_8H_9ClMgO
MW: 180.91
[26905-40-8]



0.25 M in tetrahydrofuran: **562084**

4-Methoxybenzylmagnesium chloride solution R

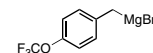
C_8H_9ClMgO
MW: 180.91
[38769-92-5]



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

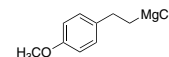
$C_9H_{19}BrMg$
MW: 231.46
[39691-62-8]



1.0 M in diethyl ether: **550663**

4-Methoxyphenethylmagnesium chloride solution R

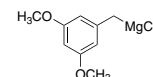
$C_9H_{11}ClMgO$
MW: 194.94
[211115-05-8]



0.5 M in tetrahydrofuran: **562203**

3,5-Dimethoxybenzylmagnesium chloride solution R

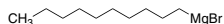
$C_9H_{11}ClMgO_2$
MW: 210.94
[135808-66-1]



0.2 M in tetrahydrofuran: **563811**

Decylmagnesium bromide solution

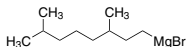
$C_{10}H_{21}BrMg$
MW: 245.48
[17049-50-2]



1.0 M in diethyl ether: **347108**

3,7-Dimethyloctylmagnesium bromide solution

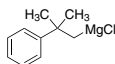
$C_{10}H_{21}BrMg$
MW: 245.48
[114499-45-5]



1.0 M in diethyl ether: **637963**

2-Methyl-2-phenylpropylmagnesium chloride solution

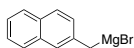
$C_{10}H_{13}ClMg$
MW: 192.97
[35293-35-7]



0.5 M in diethyl ether: **420204**

(2-Naphthalenylmethyl)magnesium bromide solution

$C_{11}H_9BrMg$
MW: 245.40
[127543-80-0]



0.25 M in diethyl ether: **663891**

Dodecylmagnesium bromide solution

$C_{12}H_{25}BrMg$
MW: 273.54
[15890-72-9]



1.0 M in diethyl ether: **339628**

Tetradecylmagnesium chloride solution

$C_{14}H_{29}ClMg$
MW: 257.14
[110220-87-6]



1.0 M in tetrahydrofuran: **337781**

Pentadecylmagnesium bromide solution

$C_{15}H_{31}BrMg$
MW: 315.62
[78887-70-4]



0.5 M in diethyl ether: **424056**

Octadecylmagnesium chloride solution

$C_{18}H_{37}ClMg$
MW: 313.24
[116980-66-6]



0.5 M in tetrahydrofuran: **394262**

Alkenyl**Vinylmagnesium chloride solution**

C_2H_3ClMg
MW: 86.80
[3536-96-7]



1.6 M in tetrahydrofuran: **476552**

Vinylmagnesium bromide solution

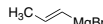
C_2H_3BrMg
MW: 131.25
[1826-67-1]



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

1-Propenylmagnesium bromide solution

C_3H_5BrMg
MW: 145.28
[14092-04-7]



0.5 M in tetrahydrofuran: **419540**

Isopropenylmagnesium bromide solution

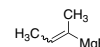
C_3H_5BrMg
MW: 145.28
[13291-18-4]



0.5 M in tetrahydrofuran: **419567**

1-Methyl-1-propenylmagnesium bromide solution

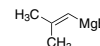
C_4H_7BrMg
MW: 159.31
[85676-85-3]



0.5 M in tetrahydrofuran: **419605**

2-Methyl-1-propenylmagnesium bromide solution

C_4H_7BrMg
MW: 159.31
[38614-36-7]



0.5 M in tetrahydrofuran: **419613**

Alkynyl**Ethynylmagnesium chloride solution**

C_2HClMg
MW: 84.79
[65032-27-1]



0.5 M in tetrahydrofuran: **346160**

Ethynylmagnesium bromide solution

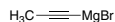
C_2HBrMg
MW: 129.24
[4301-14-8]



0.5 M in tetrahydrofuran: **346152**

1-Propynylmagnesium bromide solution

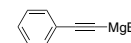
C_3H_3BrMg
MW: 143.26
[16466-97-0]



0.5 M in tetrahydrofuran: **429007**

Phenylethynylmagnesium bromide solution

C_8H_7BrMg
MW: 205.33
[6738-06-3]



1.0 M in tetrahydrofuran: **357510**



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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

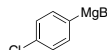
$C_6H_4BrClMg$
MW: 215.76
[36229-42-2]



0.5 M in tetrahydrofuran: **563722**

4-Chlorophenylmagnesium bromide solution

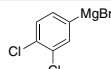
$C_6H_4BrClMg$
MW: 215.76
[873-77-8]



1.0 M in diethyl ether: **262188**

3,4-Dichlorophenylmagnesium bromide solution

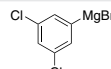
$C_6H_3BrCl_2Mg$
MW: 250.20
[79175-35-2]



0.5 M in tetrahydrofuran: **562270**

3,5-Dichlorophenylmagnesium bromide solution

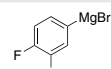
$C_6H_3BrCl_2Mg$
MW: 250.20
[82297-90-3]



0.5 M in tetrahydrofuran: **562289**

3-Chloro-4-fluorophenylmagnesium bromide solution

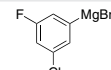
$C_6H_3BrClFMg$
MW: 233.75
[413589-34-1]



0.5 M in tetrahydrofuran: **563676**

3-Chloro-5-fluorophenylmagnesium bromide solution

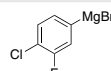
$C_6H_3BrClFMg$
MW: 233.75
[480438-50-4]



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]

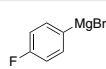


1.0 M in tetrahydrofuran: **550671**

0.5 M in tetrahydrofuran: **561665**

4-Fluorophenylmagnesium bromide solution

C_6H_4BrFMg
MW: 199.30
[352-13-6]

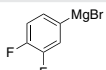


2.0 M in diethyl ether: **245550**

1.0 M in tetrahydrofuran: **328820**

3,4-Difluorophenylmagnesium bromide solution

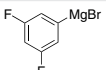
$C_6H_3BrF_2Mg$
MW: 217.29
[90897-92-0]



0.5 M in tetrahydrofuran: **561037**

3,5-Difluorophenylmagnesium bromide solution

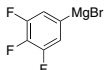
$C_6H_3BrF_2Mg$
MW: 217.29
[62351-47-7]



0.5 M in tetrahydrofuran: **561029**

3,4,5-Trifluorophenylmagnesium bromide solution

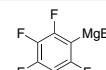
$C_6H_2BrF_3Mg$
MW: 235.28
[156006-28-9]



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

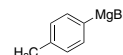
C_7H_7ClMg
MW: 150.89
[121905-60-0]



1.0 M in tetrahydrofuran: **405299**

p-Tolylmagnesium bromide solution

C_7H_7BrMg
MW: 195.34
[4294-57-9]

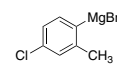


0.5 M in diethyl ether: **646075**

1.0 M in tetrahydrofuran: **442178**

4-Chloro-2-methylphenylmagnesium bromide solution

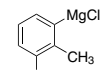
$C_7H_6BrClMg$
MW: 229.78
[480438-47-9]



0.5 M in tetrahydrofuran: **562262**

3-Fluoro-2-methylphenylmagnesium chloride solution

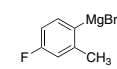
C_7H_6ClFMg
MW: 168.88
[480424-74-6]



0.5 M in tetrahydrofuran: **570818**

4-Fluoro-2-methylphenylmagnesium bromide solution

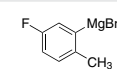
C_7H_6BrFMg
MW: 213.33
[30897-90-6]



0.5 M in tetrahydrofuran: **561738**

5-Fluoro-2-methylphenylmagnesium bromide solution

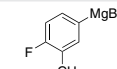
C_7H_6BrFMg
MW: 213.33
[186496-59-3]



0.5 M in tetrahydrofuran: **561746**

4-Fluoro-3-methylphenylmagnesium bromide solution

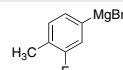
C_7H_6BrFMg
MW: 213.33
[82297-89-0]



1.0 M in tetrahydrofuran: **344605**

3-Fluoro-4-methylphenylmagnesium bromide solution

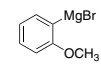
C_7H_6BrFMg
MW: 213.33
[185077-02-5]



0.5 M in tetrahydrofuran: **561711**

2-Methoxyphenylmagnesium bromide solution

C_7H_7BrMgO
MW: 211.34
[16750-63-3]

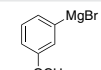


1.0 M in diethyl ether: **662453**

1.0 M in tetrahydrofuran: **470414**

3-Methoxyphenylmagnesium bromide solution

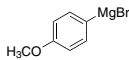
C_7H_7BrMgO
MW: 211.34
[36282-40-3]



1.0 M in tetrahydrofuran: **442194**

4-Methoxyphenylmagnesium bromide solution

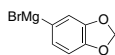
C₇H₇BrMgO
MW: 211.34
[13139-86-1]



0.5 M in tetrahydrofuran: **470260**

3,4-(Methylenedioxy)phenylmagnesium bromide solution

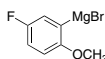
C₇H₅BrMgO₂
MW: 225.32
[17680-04-5]



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

5-Fluoro-2-methoxyphenylmagnesium bromide solution

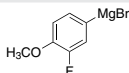
C₇H₆BrFMgO
MW: 229.33
[188132-02-7]



0.5 M in tetrahydrofuran: **561983**

3-Fluoro-4-methoxyphenylmagnesium bromide solution

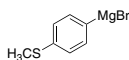
C₇H₆BrFMgO
MW: 229.33
[112780-67-3]



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

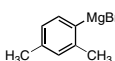
C₈H₉BrMg
MW: 209.37
[134640-85-0]



0.5 M in tetrahydrofuran: **563757**

2,4-Dimethylphenylmagnesium bromide solution

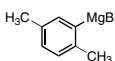
C₈H₉BrMg
MW: 209.37
[34589-46-3]



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

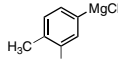
C₈H₉BrMg
MW: 209.37
[21450-64-6]



1.0 M in tetrahydrofuran: **425508**

3,4-Dimethylphenylmagnesium chloride solution

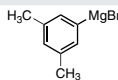
C₈H₉ClMg
MW: 164.92
[102928-12-1]



0.5 M in tetrahydrofuran: **562068**

3,5-Dimethylphenylmagnesium bromide solution

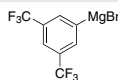
C₈H₉BrMg
MW: 209.37
[34696-73-6]



0.5 M in tetrahydrofuran: **562076**

3,5-Bis(trifluoromethyl)phenylmagnesium bromide solution

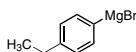
C₈H₃BrF₆Mg
MW: 317.31
[112981-69-8]



0.5 M in tetrahydrofuran: **639052**

4-Ethylphenylmagnesium bromide solution

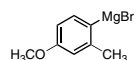
C₈H₉BrMg
MW: 209.37
[22873-28-5]



0.5 M in tetrahydrofuran: **561754**

4-Methoxy-2-methylphenylmagnesium bromide solution

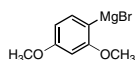
C₈H₉BrMgO
MW: 225.37
[148706-30-3]



0.5 M in tetrahydrofuran: **562238**

2,4-Dimethoxyphenylmagnesium bromide solution

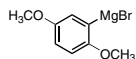
C₈H₉BrMgO₂
MW: 241.36
[138109-49-6]



0.5 M in tetrahydrofuran: **562025**

2,5-Dimethoxyphenylmagnesium bromide solution

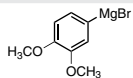
C₈H₉BrMgO₂
MW: 241.36
[62890-98-6]



0.5 M in tetrahydrofuran: **561819**

3,4-Dimethoxyphenylmagnesium bromide solution

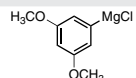
C₈H₉BrMgO₂
MW: 241.36
[89980-69-8]



0.5 M in tetrahydrofuran: **561975**

3,5-Dimethoxyphenylmagnesium chloride solution

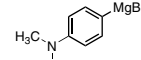
C₈H₉ClMgO₂
MW: 196.91
[89981-17-9]



1.0 M in tetrahydrofuran: **637629**

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

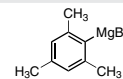
C₈H₁₀BrMgN
MW: 224.38
[7353-91-5]



0.5 M in tetrahydrofuran: **561061**

2-Mesitylmagnesium bromide solution

C₉H₁₁BrMg
MW: 223.39
[2633-66-1]

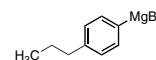


1.0 M in diethyl ether: **332402**

1.0 M in tetrahydrofuran: **227234**

4-n-Propylphenylmagnesium bromide solution

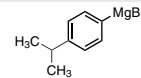
C₉H₁₁BrMg
MW: 223.39
[87942-08-3]



0.5 M in tetrahydrofuran: **563730**

4-Isopropylphenylmagnesium bromide solution

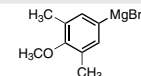
C₉H₁₁BrMg
MW: 223.39



0.5 M in tetrahydrofuran: **635669**

3,5-Dimethyl-4-methoxyphenylmagnesium bromide solution

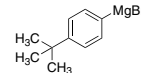
C₉H₁₁BrMgO
MW: 239.39
[185416-17-5]



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

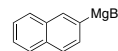
C₁₀H₇BrMg
MW: 231.37
[703-55-9]



0.25 M slurry in tetrahydrofuran: **561673**

2-Naphthylmagnesium bromide solution

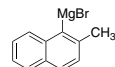
C₁₀H₇BrMg
MW: 231.37
[21473-01-8]



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**

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4-Methyl-1-naphthylmagnesium bromide solution R

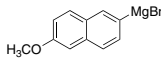
C₁₁H₉BrMg
MW: 245.40
[115913-58-1]



0.25 M in tetrahydrofuran: **563684**

6-Methoxy-2-naphthylmagnesium bromide solution R

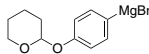
C₁₁H₉BrMgO
MW: 261.40
[38046-82-1]



0.5 M in tetrahydrofuran: **646946**

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

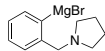
C₁₁H₁₃BrMgO₂
MW: 281.43
[36637-44-2]



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

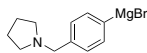
C₁₁H₁₄BrMgN
MW: 264.44
[480424-79-1]



0.25 M in tetrahydrofuran: **571180**

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

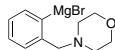
C₁₁H₁₄BrMgN
MW: 264.44
[480424-78-0]



0.25 M in tetrahydrofuran: **571172**

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

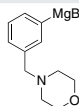
C₁₁H₁₄BrMgNO
MW: 280.44
[480424-77-9]



0.25 M in tetrahydrofuran: **571164**

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

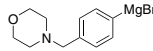
C₁₁H₁₄BrMgNO
MW: 280.44
[480424-76-8]



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

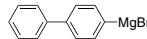
C₁₂H₉BrMg
MW: 257.41
[82214-69-5]



0.5 M in diethyl ether: **639125**

4-Biphenylmagnesium bromide solution R

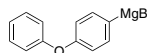
C₁₂H₉BrMg
MW: 257.41
[3315-91-1]



0.5 M in tetrahydrofuran: **562009**

4-Phenoxyphenylmagnesium bromide solution R

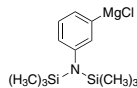
C₁₂H₉BrMgO
MW: 273.41
[21473-02-9]



0.5 M in tetrahydrofuran: **561681**

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

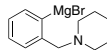
C₁₂H₂₂ClMgNSi₂
MW: 296.24
[174484-84-5]



1.0 M in tetrahydrofuran: **372005**

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

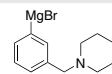
C₁₂H₁₆BrMgN
MW: 278.47
[480424-81-5]



0.25 M in tetrahydrofuran: **571202**

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

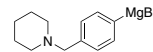
C₁₂H₁₆BrMgN
MW: 278.47
[480424-82-6]



0.25 M in tetrahydrofuran: **571210**

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

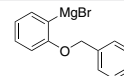
C₁₂H₁₆BrMgN
MW: 278.47
[480424-83-7]



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

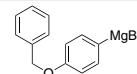
C₁₃H₁₁BrMgO
MW: 287.43
[36281-96-6]



1.0 M in tetrahydrofuran: **673005**

4-Benzyloxyphenylmagnesium bromide solution NEW

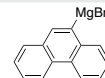
C₁₃H₁₁BrMgO
MW: 287.43
[120186-59-6]



1.0 M in tetrahydrofuran: **672998**

9-Phenanthrylmagnesium bromide solution R

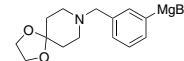
C₁₄H₉BrMg
MW: 281.43
[71112-64-6]



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

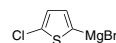
C₅H₅BrMgS
MW: 201.37
[95184-07-9]



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

C₃H₄BrNz
MW: 199.36
[312624-26-3]



0.5 M in tetrahydrofuran: **497908**

Butylzinc bromide solution R

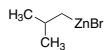
C₄H₉BrZn
MW: 202.41
[92273-73-9]



0.5 M in tetrahydrofuran: **497746**

Isobutylzinc bromide solution R

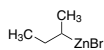
C₄H₉BrZn
MW: 202.41
[126403-67-6]



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

C₄H₆BrNz
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

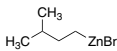
C₅H₁₁BrZn
MW: 216.43
[308796-10-3]



0.5 M in tetrahydrofuran: **499285**

3-Methylbutylzinc bromide solution R

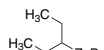
C₅H₁₁BrZn
MW: 216.43
[92274-43-6]



0.5 M in tetrahydrofuran: **498890**

1-Ethylpropylzinc bromide solution R

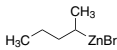
C₅H₁₁BrZn
MW: 216.43
[308796-09-0]



0.5 M in tetrahydrofuran: **499277**

1-Methylbutylzinc bromide solution R

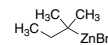
C₅H₁₁BrZn
MW: 216.43
[308796-07-8]



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

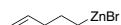
C₅H₉BrZn
MW: 214.42
[171860-68-7]



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

C₅H₈BrNz
MW: 227.42
[226570-68-9]



0.5 M in tetrahydrofuran: **497894**

5-Chloropentylzinc bromide solution R

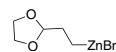
C₅H₁₀BrClZn
MW: 250.88
[312624-21-8]



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**

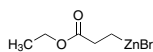
R: Product of Rieke® Metals, Inc. ®Registered trademark of Rieke Metals, Inc.

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3-Ethoxy-3-oxopropylzinc bromide solution R

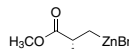
$C_5H_9BrO_2Zn$
MW: 246.42
[193065-68-8]



0.5 M in tetrahydrofuran: **498521**

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

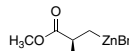
$C_5H_9BrO_2Zn$
MW: 246.42
[352525-75-8]



0.5 M in tetrahydrofuran: **499498**

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

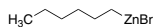
$C_5H_9BrO_2Zn$
MW: 246.42
[312693-18-8]



0.5 M in tetrahydrofuran: **498815**

Hexylzinc bromide solution R

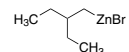
$C_6H_{13}BrZn$
MW: 230.46
[124397-96-2]



0.5 M in tetrahydrofuran: **498769**

2-Ethylbutylzinc bromide solution R

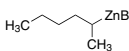
$C_6H_{13}BrZn$
MW: 230.46
[312693-02-0]



0.5 M in tetrahydrofuran: **498548**

1-Methylpentylzinc bromide solution R

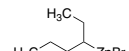
$C_6H_{13}BrZn$
MW: 230.46
[312693-13-3]



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

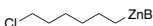
$C_6H_{11}BrZn$
MW: 228.45
[7565-57-3]



0.5 M in tetrahydrofuran: **498033**

6-Chlorohexylzinc bromide solution R

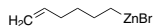
$C_6H_{12}BrClZn$
MW: 264.91
[135579-83-8]



0.5 M in tetrahydrofuran: **497797**

5-Hexenylzinc bromide solution R

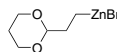
$C_6H_{11}BrZn$
MW: 228.45
[226570-65-6]



0.5 M in tetrahydrofuran: **498734**

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

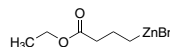
$C_6H_{11}BrO_2Zn$
MW: 260.44
[307531-82-4]



0.5 M in tetrahydrofuran: **533556**

4-Ethoxy-4-oxobutylzinc bromide solution R

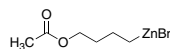
$C_6H_{11}BrO_2Zn$
MW: 260.44
[131379-39-0]



0.5 M in tetrahydrofuran: **498491**

4-Acetoxybutylzinc bromide solution R

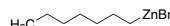
$C_6H_{11}BrO_2Zn$
MW: 260.44



0.5 M in tetrahydrofuran: **630403**

Heptylzinc bromide solution R

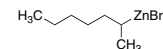
$C_7H_{15}BrZn$
MW: 244.49
[7608-06-2]



0.5 M in tetrahydrofuran: **533270**

1-Methylhexylzinc bromide solution R

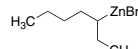
$C_7H_{15}BrZn$
MW: 244.49
[312693-10-0]



0.5 M in tetrahydrofuran: **498696**

1-Ethylpentylzinc bromide solution R

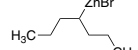
$C_7H_{15}BrZn$
MW: 244.49
[312693-11-1]



0.5 M in tetrahydrofuran: **498718**

1-Propylbutylzinc bromide solution R

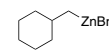
$C_7H_{15}BrZn$
MW: 244.49
[312693-12-2]



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

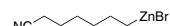
$C_7H_{11}BrZn$
MW: 240.46
[342029-20-3]



0.5 M in tetrahydrofuran: **499056**

6-Cyanoethylzinc bromide solution R

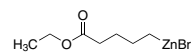
$C_7H_{12}BrNzN$
MW: 255.47
[312624-28-5]



0.5 M in tetrahydrofuran: **497924**

5-Ethoxy-5-oxopentylzinc bromide solution R

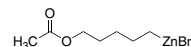
$C_7H_{13}BrO_2Zn$
MW: 274.47
[265330-98-1]



0.5 M in tetrahydrofuran: **498513**

5-Acetoxyethylzinc bromide solution R

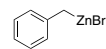
$C_7H_{13}BrO_2Zn$
MW: 274.47



0.5 M in tetrahydrofuran: **630381**

Benzylzinc bromide solution R

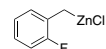
C_7H_7BrZn
MW: 236.42
[62673-31-8]



0.5 M in tetrahydrofuran: **497517**

2-Fluorobenzylzinc chloride solution R

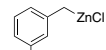
C_7H_6ClFZn
MW: 209.96
[312693-05-3]



0.5 M in tetrahydrofuran: **498580**

3-Fluorobenzylzinc chloride solution R

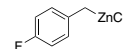
C_7H_6ClFZn
MW: 209.96
[312693-06-4]



0.5 M in tetrahydrofuran: **498599**

4-Fluorobenzylzinc chloride solution R

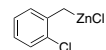
C_7H_6ClFZn
MW: 209.96
[312693-07-5]



0.5 M in tetrahydrofuran: **498602**

2-Chlorobenzylzinc chloride solution R

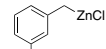
$C_7H_6Cl_2Zn$
MW: 226.42
[312624-11-6]



0.5 M in tetrahydrofuran: **497568**

3-Chlorobenzylzinc chloride solution R

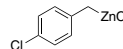
$C_7H_6Cl_2Zn$
MW: 226.42
[312624-13-8]



0.5 M in tetrahydrofuran: **497576**

4-Chlorobenzylzinc chloride solution R

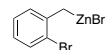
$C_7H_6Cl_2Zn$
MW: 226.42
[149923-10-4]



0.5 M in tetrahydrofuran: **497762**

2-Bromobenzylzinc bromide solution R

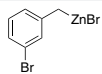
$C_7H_6Br_2Zn$
MW: 315.32
[307496-27-1]



0.5 M in tetrahydrofuran: **520314**

3-Bromobenzylzinc bromide solution R

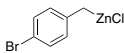
$C_7H_6Br_2Zn$
MW: 315.32
[307496-31-7]



0.5 M in tetrahydrofuran: **521655**

4-Bromobenzylzinc chloride solution R

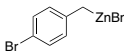
$C_7H_6BrClZn$
MW: 270.87



0.5 M in tetrahydrofuran: **497541**

4-Bromobenzylzinc bromide solution R

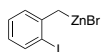
$C_7H_6Br_2Zn$
MW: 315.32
[115055-85-1]



0.5 M in tetrahydrofuran: **499463**

2-Iodobenzylzinc bromide solution R

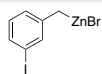
C_7H_6BrIZn
MW: 362.32
[117269-71-3]



0.5 M in tetrahydrofuran: **635650**

3-Iodobenzylzinc bromide solution R

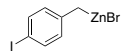
C_7H_6BrIZn
MW: 362.32



0.5 M in tetrahydrofuran: **533297**

4-Iodobenzylzinc bromide solution R

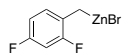
C_7H_6BrIZn
MW: 362.32



0.5 M in tetrahydrofuran: **533289**

2,4-Difluorobenzylzinc bromide solution R

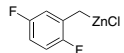
$C_7H_5BrF_2Zn$
MW: 272.41
[307496-26-0]



0.5 M in tetrahydrofuran: **520306**

2,5-Difluorobenzylzinc chloride solution R

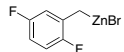
$C_7H_5ClF_2Zn$
MW: 227.95
[312692-89-0]



0.5 M in tetrahydrofuran: **498092**

2,5-Difluorobenzylzinc bromide solution R

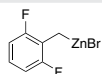
$C_7H_5BrF_2Zn$
MW: 272.41
[307496-32-8]



0.5 M in tetrahydrofuran: **521663**

2,6-Difluorobenzylzinc bromide solution R

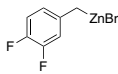
$C_7H_5BrF_2Zn$
MW: 272.41
[307496-33-9]



0.5 M in tetrahydrofuran: **521671**

3,4-Difluorobenzylzinc bromide solution R

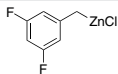
$C_7H_5BrF_2Zn$
MW: 272.41
[307496-34-0]



0.5 M in tetrahydrofuran: **521698**

3,5-Difluorobenzylzinc chloride solution R

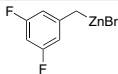
$C_7H_5ClF_2Zn$
MW: 227.95



0.5 M in tetrahydrofuran: **498440**

3,5-Difluorobenzylzinc bromide solution R

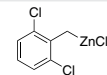
$C_7H_5BrF_2Zn$
MW: 272.41
[308796-30-7]



0.5 M in tetrahydrofuran: **499471**

2,6-Dichlorobenzylzinc chloride solution R

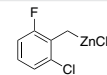
$C_7H_5Cl_2Zn$
MW: 260.86
[307531-80-2]



0.5 M in tetrahydrofuran: **533351**

2-Chloro-6-fluorobenzylzinc chloride solution R

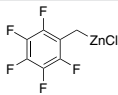
C_7H_5ClFZn
MW: 244.41
[307531-98-2]



0.5 M in tetrahydrofuran: **535257**

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

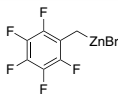
$C_7H_2ClF_5Zn$
MW: 281.93
[308796-02-3]



0.5 M in tetrahydrofuran: **499064**

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

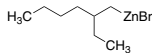
$C_7H_2BrF_5Zn$
MW: 326.38
[352534-75-9]



0.5 M in tetrahydrofuran: **541273**

2-Ethylhexylzinc bromide solution R

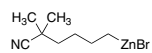
$C_8H_{17}BrZn$
MW: 258.51
[312693-03-1]



0.5 M in tetrahydrofuran: **498556**

5-Cyano-5-methylhexylzinc bromide solution R

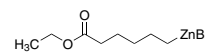
$C_8H_{14}BrNZn$
MW: 269.50
[312693-22-4]



0.5 M in tetrahydrofuran: **498920**

6-Ethoxy-6-oxohexylzinc bromide solution R

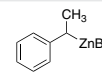
$C_8H_{15}BrO_2Zn$
MW: 288.50
[312693-01-9]



0.5 M in tetrahydrofuran: **498505**

 α -Methylbenzylzinc bromide solution R

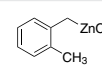
C_8H_9BrZn
MW: 250.45
[85459-20-7]



0.5 M in tetrahydrofuran: **498777**

2-Methylbenzylzinc chloride solution R

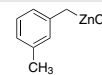
C_8H_9ClZn
MW: 206.00
[312693-19-9]



0.5 M in tetrahydrofuran: **498866**

3-Methylbenzylzinc chloride solution R

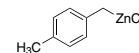
C_8H_9ClZn
MW: 206.00
[312693-20-2]



0.5 M in tetrahydrofuran: **498874**

4-Methylbenzylzinc chloride solution R

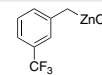
C_8H_9ClZn
MW: 206.00
[312693-21-3]



0.5 M in tetrahydrofuran: **498882**

3-(Trifluoromethyl)benzylzinc chloride solution R

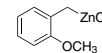
$C_8H_6ClF_3Zn$
MW: 259.97
[480438-42-4]



0.5 M in tetrahydrofuran: **561045**

2-Methoxybenzylzinc chloride solution R

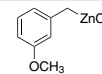
C_8H_9ClOZn
MW: 222.00
[312693-15-5]



0.5 M in tetrahydrofuran: **498785**

3-Methoxybenzylzinc chloride solution R

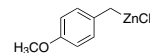
C_8H_9ClOZn
MW: 222.00
[312693-16-6]



0.5 M in tetrahydrofuran: **498793**

4-Methoxybenzylzinc chloride solution R

C_8H_9ClOZn
MW: 222.00
[312693-17-7]



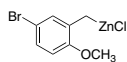
0.5 M in tetrahydrofuran: **498807**

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5-Bromo-2-methoxybenzylzinc chloride solution R

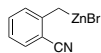
$C_8H_8BrClOZn$
MW: 300.90
[352530-35-9]



0.5 M in tetrahydrofuran: **533394**

2-Cyanobenzylzinc bromide solution R

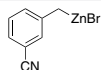
C_8H_6BrNZn
MW: 261.43
[199465-66-2]



0.5 M in tetrahydrofuran: **520322**

3-Cyanobenzylzinc bromide solution R

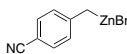
C_8H_6BrNZn
MW: 261.43
[117269-72-4]



0.5 M in tetrahydrofuran: **517372**

4-Cyanobenzylzinc bromide solution R

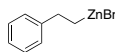
C_8H_6BrNZn
MW: 261.43
[135579-87-2]



0.5 M in tetrahydrofuran: **517380**

Phenethylzinc bromide solution R

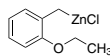
C_8H_9BrZn
MW: 250.45
[308796-14-7]



0.5 M in tetrahydrofuran: **499307**

2-Ethoxybenzylzinc chloride solution R

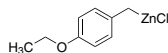
$C_9H_{11}ClOZn$
MW: 236.03
[308796-28-3]



0.5 M in tetrahydrofuran: **499447**

4-Ethoxybenzylzinc chloride solution R

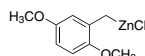
$C_9H_{11}ClOZn$
MW: 236.03
[308796-29-4]



0.5 M in tetrahydrofuran: **499455**

2,5-Dimethoxybenzylzinc chloride solution R

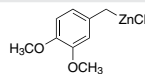
$C_9H_{11}ClO_2Zn$
MW: 252.03
[352530-32-6]



0.5 M in tetrahydrofuran: **533319**

3,4-Dimethoxybenzylzinc chloride solution R

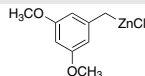
$C_9H_{11}ClO_2Zn$
MW: 252.03
[307531-79-9]



0.5 M in tetrahydrofuran: **533327**

3,5-Dimethoxybenzylzinc chloride solution R

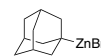
$C_9H_{11}ClO_2Zn$
MW: 252.03
[352530-33-7]



0.5 M in tetrahydrofuran: **533335**

1-Adamantylzinc bromide solution R

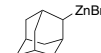
$C_{10}H_{15}BrZn$
MW: 280.52
[312624-15-0]



0.5 M in tetrahydrofuran: **497606**

2-Adamantylzinc bromide solution R

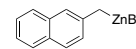
$C_{10}H_{15}BrZn$
MW: 280.52
[171860-65-4]



0.5 M in tetrahydrofuran: **497614**

(2-Naphthylmethyl)zinc bromide solution R

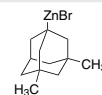
$C_{11}H_9BrZn$
MW: 286.48
[152329-44-7]



0.5 M in tetrahydrofuran: **499021**

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

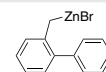
$C_{12}H_{19}BrZn$
MW: 308.57
[312692-99-2]



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**












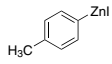





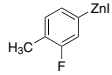


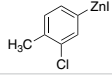


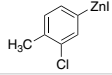






Alkenyl**1-Phenylvinylzinc bromide solution** R

C_8H_7BrZn
MW: 248.44
[151073-86-8]



0.5 M in tetrahydrofuran: **499390**

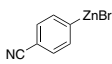
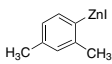
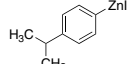

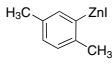
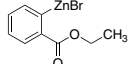



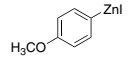
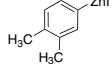
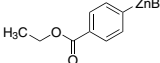

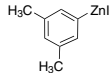
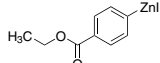
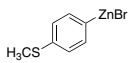



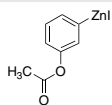
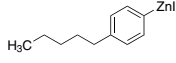
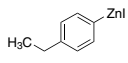
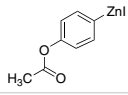



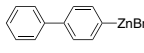
Aryl

Phenylzinc bromide solution R C_6H_5BrZn MW: 222.40 [31111-44-3]  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	4-Chlorophenylzinc iodide solution R C_6H_4ClIZn MW: 303.84 [151073-70-0]  0.5 M in tetrahydrofuran: 497835	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	2,4-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
3-Bromophenylzinc iodide solution R C_6H_4BrIZn MW: 348.29 [186000-44-2]  0.5 M in tetrahydrofuran: 497649	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
4-Bromophenylzinc iodide solution R C_6H_4BrIZn MW: 348.29 [148651-39-2]  0.5 M in tetrahydrofuran: 497657	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

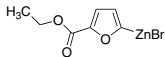
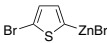

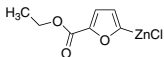
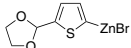
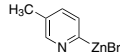

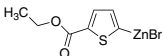
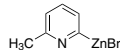


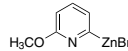


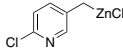
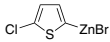

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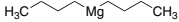
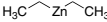
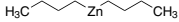

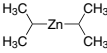


4-Cyanophenylzinc bromide solution R C_7H_4BrNZn MW: 247.41 [131379-14-1]  0.5 M in tetrahydrofuran: 520292	2,4-Dimethylphenylzinc iodide solution R C_8H_9IZn MW: 297.45 [312692-95-8]  0.5 M in tetrahydrofuran: 498386	4-Isopropylphenylzinc iodide solution R $C_9H_{11}IZn$ MW: 311.48 [308796-20-5]  0.5 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-<i>n</i>-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	

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