

NEW Lab ESSENTIAL STARTER PROGRAM

Life Science Chemistry Essentials from Merck

Merck offers a broad range of premium chemistry reagents including building blocks, catalysts, organometallics, and synthetic reagents. In addition, we provide a complete range of products and tools to make your lab a safer place to work. Make us your preferred supplier for all your laboratory reagents, and spend more time on research (and less on ordering and maintaining your supply of fundamental chemicals).

For a complete listing of our chemistry reagents visit: SigmaAldrich.com/chemistry

Building Blocks

Cat. No.	Product Description	Check
A88107-100G	p-Anisaldehyde, 98%	<input type="checkbox"/>
137448-100G	2-Methyl-2-oxazoline, 98%	<input type="checkbox"/>
P56607-5G	Pyrazole, 98%	<input type="checkbox"/>
194921-10G	N-(2,6-Dimethylphenyl)chloroacetamide, 99%	<input type="checkbox"/>
238813-1G	(±)-6-Hydroxy-2,5,7,8-tetramethylchromane-2-carboxylic acid, 97%	<input type="checkbox"/>
252646-25G	(Trimethylsilyl)isocyanate, 85%	<input type="checkbox"/>
39565-50G	1,3-Dimethylbarbituric acid, ≥99.0%	<input type="checkbox"/>
H0751-500MG	Homogentisic acid, crystalline	<input type="checkbox"/>
471291-25ML	Isopropylamine, ≥99.5%	<input type="checkbox"/>
T89702-1G	Tropolone, 98%	<input type="checkbox"/>
02270-10G	Adrenalone hydrochloride	<input type="checkbox"/>
S356-100G	Salicylaldehyde, 98%	<input type="checkbox"/>
528056-100ML	Thioglycolic acid, ≥99%	<input type="checkbox"/>
I17451-25G	Isonicotinamide, 99%	<input type="checkbox"/>
240338-50G	2-Pyrrolidinone, ≥99%	<input type="checkbox"/>
H40807-1G	5-Hydroxymethyl-2-furaldehyde, 99%	<input type="checkbox"/>
40727-100ML	N,N'-Dimethylethyleneurea, ≥99.0%	<input type="checkbox"/>
T72605-100ML	Trimethylacetyl chloride, 99%	<input type="checkbox"/>
16772-200G	Cyanogen bromide, ≥98.5%	<input type="checkbox"/>
212849-25G	Trimethylsilyl cyanide, 98%	<input type="checkbox"/>
270245-25G	4-Methoxybenzyl chloride, 98%	<input type="checkbox"/>
B17905-25G	Benzyl bromide, 98%	<input type="checkbox"/>
148938-5G	2-Iodopropane, 99%	<input type="checkbox"/>
D79403-25G	Bicyclohexyl, 99%	<input type="checkbox"/>
278610-1G	Moroxydine hydrochloride, 99%	<input type="checkbox"/>

And for more Building block (chiral, heterocyclic..) visit sigma-aldrich.com web site and check your special price (discount up to 20% off) with your order login.

Reagents Essentials

Cat. No.	Product Description	Check
Synthetic Reagents		
199877-25G	Lithium aluminum hydride powder, reagent grade, 95%	<input type="checkbox"/>
212776-100ML	Lithium aluminum hydride solution 1.0 M in THF	<input type="checkbox"/>
593702-100ML	Lithium aluminum hydride solution 2.0 M in THF	<input type="checkbox"/>
241814-100ML	Lithium tri- <i>tert</i> -butoxyaluminum hydride solution 1.0 M in THF	<input type="checkbox"/>
214981-100ML	Diisobutylaluminum hydride solution 1.0 M in THF	<input type="checkbox"/>
190306-100ML	Diisobutylaluminum hydride solution 1.0 M in hexanes	<input type="checkbox"/>
225541-25G	Diisopropyl azodicarboxylate (DIAD), 95%	<input type="checkbox"/>
774766-100ML	Lithium diisopropylamide solution (LDA), 1.0 M in THF/hexanes	<input type="checkbox"/>
179752-25G	Borane pyridine complex	<input type="checkbox"/>
176192-100ML	Borane tetrahydrofuran complex solution 1.0 M in THF	<input type="checkbox"/>
192120-100ML	Borane dimethyl sulfide complex solution 2.0 M in THF	<input type="checkbox"/>
139009-100G	1,8-Diazabicyclo[5.4.0]undec-7-ene (DBU), 98%	<input type="checkbox"/>
273031-25G	3-Chloroperbenzoic acid, $\leq 77\%$	<input type="checkbox"/>
D80002-25G	<i>N,N'</i> -Dicyclohexylcarbodiimide (DCC), 99%	<input type="checkbox"/>
224847-50G	Iodine monobromide, 98%	<input type="checkbox"/>
109681-100G	<i>N</i> -Chlorosuccinimide, 98%	<input type="checkbox"/>
B81255-100G	<i>N</i> -Bromosuccinimide, 99%	<input type="checkbox"/>
221732-100G	Sodium tetraborate, 99%	<input type="checkbox"/>
175501-100ML	Boron trifluoride diethyl etherate	<input type="checkbox"/>
702706-100ML	Sodium <i>tert</i> -butoxide solution 2 M in THF	<input type="checkbox"/>
156671-25G	Potassium <i>tert</i> -butoxide, $\geq 98\%$	<input type="checkbox"/>
130672-25G	<i>N</i> -Hydroxysuccinimide, 98%	<input type="checkbox"/>
D125407-100G	<i>N,N'</i> -Diisopropylcarbodiimide (DIC), 99%	<input type="checkbox"/>
D80002-100G	<i>N,N'</i> -Dicyclohexylcarbodiimide (DCC), 99%	<input type="checkbox"/>
21860-25G	1,1'-Carbonyldiimidazole (CDI), $\geq 97.0\%$	<input type="checkbox"/>
184225-100G	Hydrogen fluoride pyridine, pyridine $\sim 30\%$, hydrogen fluoride $\sim 70\%$	<input type="checkbox"/>
190500-25G	<i>tert</i> -Butyldimethylsilyl chloride (TBDMSCl), 97%	<input type="checkbox"/>
471259-100ML	Methanesulfonyl chloride, $\geq 99.7\%$	<input type="checkbox"/>
A29585-100G	Allyl bromide, 99%	<input type="checkbox"/>
O8801-100G	Oxalyl chloride reagent grade, 98%	<input type="checkbox"/>
201170-250G	Phosphorus(V) oxychloride, 99%	<input type="checkbox"/>
452882-100G	Sodium borohydride powder, $\geq 98.0\%$	<input type="checkbox"/>
156159-10G	Sodium cyanoborohydride, 95%	<input type="checkbox"/>
452912-100G	Sodium hydride 60 % dispersion in mineral oil	<input type="checkbox"/>
214000-5G	TEMPO, 98%	<input type="checkbox"/>
651664-25G	Tetrabutylammonium azide	<input type="checkbox"/>
344648-100G	Triethylamine trihydrofluoride, 98%	<input type="checkbox"/>
176176-10G	Trifluoromethanesulfonic anhydride, $\geq 99\%$	<input type="checkbox"/>
C4706-2G	Tris(2-carboxyethyl)phosphine hydrochloride (TCEP), $\geq 98\%$	<input type="checkbox"/>
386529-100ML	Chlorotrimethylsilane, redistilled, $\geq 99\%$	<input type="checkbox"/>
92361-1L	Chlorotrimethylsilane, $\geq 98.0\%$	<input type="checkbox"/>
195529-5G	Iodotrimethylsilane, 97%	<input type="checkbox"/>
233781-50G	Triisopropylsilane, 98%	<input type="checkbox"/>
78181-10G	Phenylboronic acid, $\geq 97.0\%$	<input type="checkbox"/>
417556-25G	4-Fluorophenylboronic acid	<input type="checkbox"/>
655856-5G	Pinacolborane, 97%	<input type="checkbox"/>
473294-100G	Bis(pinacolato)diboron, 99%	<input type="checkbox"/>
188913-25G-A	Catecholborane, 98%	<input type="checkbox"/>

And many more reagents and chemical specialties on [sigma-aldrich web site](#)

Organometallics		
225754-100ML	Allylmagnesium bromide solution 1.0 M in diethyl ether	<input type="checkbox"/>
703583-100ML	Methylmagnesium bromide solution ~ 3.4 M in 2-methyltetrahydrofuran	<input type="checkbox"/>
186171-4X25ML	<i>n</i> -Butyllithium solution 1,6 M in hexanes	<input type="checkbox"/>
230707-4X25ML	<i>n</i> -Butyllithium solution 2.5 M in hexanes	<input type="checkbox"/>
186198-100ML	<i>tert</i> -Butyllithium solution 1.7 M in pentane	<input type="checkbox"/>
189901-100ML	Methylmagnesium chloride solution 3.0 M in THF	<input type="checkbox"/>
189898-100ML	Methylmagnesium bromide solution 3.0 M in diethyl ether	<input type="checkbox"/>
225584-100ML	Vinylmagnesium bromide solution 1.0 M in THF	<input type="checkbox"/>
224499-800ML	<i>tert</i> -Butylmagnesium chloride solution 2.0 M in diethyl ether	<input type="checkbox"/>
197343-100ML	Methylithium solution 1.6 M in diethyl ether	<input type="checkbox"/>

Cat. No.	Product Description	Check
186198-100ML	<i>tert</i> -Butyllithium solution 1.7 M in pentane	<input type="checkbox"/>
296112-100ML	Diethylzinc solution 1.0 M in hexanes	<input type="checkbox"/>
680982-50ML	Cyclopropylzinc bromide solution 0.5 M in THF	<input type="checkbox"/>
Asymmetric Synthesis		
392758-50G	AD-mix- α	<input type="checkbox"/>
392766-50G	AD-mix- β	<input type="checkbox"/>
268070-5G	(+)- α -Pinene, $\geq 99\%$, ee: 97%	<input type="checkbox"/>
712264-100MG	Cytisine, $\geq 99\%$	<input type="checkbox"/>
C2107-100G	(1S)-(+)-10-Camphorsulfonic acid, 99%	<input type="checkbox"/>
345849-100G	Dibenzoyl-L-tartaric acid, 98%	<input type="checkbox"/>
441058-25ML	(1R)-(-)-Menthyl acetate, 98%	<input type="checkbox"/>
325058-1G	(S)-(+)-3-Bromo-2-methyl-1-propanol, 97%	<input type="checkbox"/>
679380-1G	(R)-(-)-2-Aminobutanamide hydrochloride, 96%	<input type="checkbox"/>
457698-5ML	(R)-(+)-2-Methyl-CBS-oxazaborolidine solution	<input type="checkbox"/>
684120-100MG	(1S,2S)-1,2-Bis(4-methoxyphenyl)ethylenediamine dihydrochloride, 96%	<input type="checkbox"/>

Catalysis

Cat. No.	Product Description	Check
Ligands		
638064-1G	XPhos, 97%	<input type="checkbox"/>
638064-5G	XPhos, 97%	<input type="checkbox"/>
638080-1G	<i>t</i> BuXPhos, 97%	<input type="checkbox"/>
638080-5G	<i>t</i> BuXPhos, 97%	<input type="checkbox"/>
695459-2G	meCgPPH, 97%	<input type="checkbox"/>
261971-5G	Tricyclohexylphosphine	<input type="checkbox"/>
570958-1G	Tri- <i>tert</i> -butylphosphine, 98%	<input type="checkbox"/>
T84603-25G	Triphenylphosphine oxide (TPPO), 98%	<input type="checkbox"/>
526460-1G	XantPhos, 97%	<input type="checkbox"/>
666564-1G	<i>N</i> -XantPhos, 97%	<input type="checkbox"/>
Metal sources		
216666-1G	Tetrakis(triphenylphosphine)palladium(0), 99%	<input type="checkbox"/>
216666-5G	Tetrakis(triphenylphosphine)palladium(0), 99%	<input type="checkbox"/>
379670-5G	Pd(dppf)Cl ₂ · CH ₂ Cl ₂	<input type="checkbox"/>
683124-5G	Palladium(II) acetate, 98%	<input type="checkbox"/>
243469-100G	Zinc, granular, 20-30 mesh, $\geq 99.8\%$	<input type="checkbox"/>
206032-5G	Platinum(IV) oxide, surface area ≥ 60 m ² /g	<input type="checkbox"/>
221775-100G	Copper(II) bromide, 99%	<input type="checkbox"/>
86710-50ML	Titanium(IV) ethoxide	<input type="checkbox"/>
244988-2G	Bis(1,5-cyclooctadiene)nickel(0)	<input type="checkbox"/>
72240-100G	Aluminum-nickel alloy, 50% Ni + 50% Al	<input type="checkbox"/>
Complexes		
199982-1G	Tris(triphenylphosphine)rhodium(I) chloride, Wilkinson's catalyst	<input type="checkbox"/>
579726-1G	Grubbs Catalyst™ 1st Generation, 97%	<input type="checkbox"/>
569747-500MG	Grubbs Catalyst™ 2nd Generation	<input type="checkbox"/>
569755-100MG	Hoveyda-Grubbs Catalyst™ 2nd Generation	<input type="checkbox"/>
708739-1G	<i>t</i> BuXPhos Pd G1 (Buchwald 1st Generation Palladacycle)	<input type="checkbox"/>
718750-100MG	BrettPhos Pd G1, Methyl <i>t</i> -Butyl Ether Adduct (Buchwald 1st Generation Palladacycle)	<input type="checkbox"/>
741825-1G	XPhos Pd G2 (Buchwald 2nd Generation Palladacycle)	<input type="checkbox"/>

Product list to be continued on SigmaAldrich.com

Novabiochem

Cat. No.	Product Description	Check
8520030025	Fmoc-Ala-OH 25g	<input type="checkbox"/>
8520030100	Fmoc-Ala-OH 100g	<input type="checkbox"/>
8520010025	Fmoc-Gly-OH 25g	<input type="checkbox"/>
8520010100	Fmoc-Gly-OH 100g	<input type="checkbox"/>
8520110025	Fmoc-Leu-OH 25g	<input type="checkbox"/>
8520110100	Fmoc-Leu-OH 100g	<input type="checkbox"/>
8520100025	Fmoc-Ile-OH 25g	<input type="checkbox"/>
8520100100	Fmoc-Ile-OH 100g	<input type="checkbox"/>
8520170025	Fmoc-Pro-OH 25g	<input type="checkbox"/>

Cat. No.	Product Description	Check
8520170100	Fmoc-Pro-OH 100g	<input type="checkbox"/>
8520670025	Fmoc-Arg(Pbf)-OH 25g	<input type="checkbox"/>
8520080025	Fmoc-Cys(Trt)-OH 25g	<input type="checkbox"/>
8530010025	Boc-Ala-OH 25g	<input type="checkbox"/>
8530010100	Boc-Ala-OH 100g	<input type="checkbox"/>
8530000025	Boc-Gly-OH 25g	<input type="checkbox"/>
8530000100	Boc-Gly-OH 100g	<input type="checkbox"/>
8530020025	Boc-Leu-OH · H ₂ O 25g	<input type="checkbox"/>
8530020100	Boc-Leu-OH · H ₂ O 100g	<input type="checkbox"/>
8530470025	Boc-Ile-OH · 0.5 H ₂ O 25g	<input type="checkbox"/>
8530470100	Boc-Ile-OH · 0.5 H ₂ O 100g	<input type="checkbox"/>
8530030025	Boc-Pro-OH 25g	<input type="checkbox"/>
8530030100	Boc-Pro-OH 100g	<input type="checkbox"/>
8530130025	Boc-Arg(Tos)-OH 25g	<input type="checkbox"/>
8530490025	Boc-Cys(Acm)-OH	<input type="checkbox"/>
8510850025	COMU 1-[(1-(Cyano-2-ethoxy-2-oxoethylideneaminoxy) dimethylaminomorpholino)] uronium hexafluorophosphate 25g	<input type="checkbox"/>
8510060100	HBTU 2-(1H-Benzotriazole-1-yl)-1,1,3,3-tetramethyluronium hexafluorophosphate 100g	<input type="checkbox"/>
8510860100	Oxyrna Pure 100g	<input type="checkbox"/>
8510090100	PyBOP 100g	<input type="checkbox"/>
8550040025	Rink Amide AM resin (200-400 mesh) 25g	<input type="checkbox"/>
8550030005	Rink Amide MBHA resin (100-200 mesh) 5g	<input type="checkbox"/>
8550030025	Rink Amide MBHA resin (100-200 mesh) 25g	<input type="checkbox"/>
8550010005	Rink Amide resin (100-200 mesh) 5g	<input type="checkbox"/>

And for more Novabiochem reagents visit [SigmaAldrich.com](https://www.sigmaaldrich.com)

NMR

Cat. No.	Product Description	Check
151793-10X0.75ML	Acetone-D ₆ , 99.9 atom % D - ampules	<input type="checkbox"/>
151793-10G	Acetone-D ₆ , 99.9 atom % D - ampules	<input type="checkbox"/>
151807-10X0.75ML	Acetonitrile-D ₃ , 99.8 atom % D - ampules	<input type="checkbox"/>
151807-10G-GL	Acetonitrile-D ₃ , 99.8 atom % D - glass bottle	<input type="checkbox"/>
151815-10X0.75ML	Benzene-D ₆ , 99.6 atom % D - ampules	<input type="checkbox"/>
151815-10G-GL	Benzene-D ₆ , 99.6 atom % D - glass bottle	<input type="checkbox"/>
151823-10X0.75ML	Chloroform-D, 99.8 atom % D - ampules	<input type="checkbox"/>
151823-50G	Chloroform-D, 99.8 atom % D - glass bottle	<input type="checkbox"/>
151858-10X0.75ML	Chloroform-D, "100" (MIN. 99.96 atom % D) - ampules	<input type="checkbox"/>
225789-10X0.6ML	Chloroform-D, 99.8 atom % D (CONTAINS 0.3% TMS) - ampules	<input type="checkbox"/>
151882-10X0.75ML	Deuterium oxide, 99.9 atom % D - ampules	<input type="checkbox"/>
151882-10G	Deuterium oxide 99.9% - glass bottle	<input type="checkbox"/>
151882-25G	Deuterium oxide, 99.9 atom % D - glass bottle	<input type="checkbox"/>
151890-10X0.75ML	Deuterium oxide, "100%", ≥99.96 atom % - ampules	<input type="checkbox"/>
151874-10X0.75ML	Dimethyl sulfoxide-D ₆ , 99.9 atom % D - ampules	<input type="checkbox"/>
151874-10G-GL	Dimethyl sulfoxide-D ₆ , 99.9 atom % D - glass bottle	<input type="checkbox"/>
441384-10X0.75ML	Methanol-D ₄ , 99.8+ atom % D - ampules	<input type="checkbox"/>
151947-10G-SB	Methanol-D ₄ , 99.8+ atom % D - serum bottle	<input type="checkbox"/>
151947-25G	Methanol-D ₄ , 99.8+ atom % D - glass bottle	<input type="checkbox"/>
Z565229-100EA	Wilmad® NMR tubes 5 mm diam., economy, limit 100 MHz frequency, L 7 in - pkg of 1000 ea	<input type="checkbox"/>
Z271993-1PAK	Wilmad® NMR tubes 5 mm diam., precision limit 300 MHz frequency, L 7 in - pkg of 5 ea	<input type="checkbox"/>
Z274275-1PAK	Wilmad® NMR tubes 5 mm diam., precision, limit 400 MHz frequency, L 7 in. - pkg of 5 ea	<input type="checkbox"/>
Z562734-5EA	Wilmad® NMR tubes 5 mm diam., economy, limit 400 MHz frequency, L 7 in - pkg of 5 ea	<input type="checkbox"/>

