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Reagents and Solvents

Ac <sub>2</sub> O	Acetic Anhydride	6	HgSO <sub>4</sub>	Mercuric Sulfate	54
AgNO <sub>3</sub>	Silver Nitrate	7	HI	Hydroiodic acid	55
Ag <sub>2</sub> O	Silver Oxide	8	HIO <sub>4</sub>	Periodic acid	57
AIBN	[2,2'-Azobis(2-methyl propionitrile)]	9	HONO	Nitrous Acid (HNO <sub>2</sub> )	58
AlBr <sub>3</sub>	Aluminum bromide	10	HNO <sub>3</sub>	Nitric Acid	59
AlCl <sub>3</sub>	Aluminum chloride	11	H <sub>2</sub> O <sub>2</sub>	Hydrogen peroxide	60
BF <sub>3</sub>	Boron Trifluoride	13	H <sub>3</sub> PO <sub>4</sub>	Phosphoric acid	62
BH <sub>3</sub>	Borane	14	H <sub>2</sub> SO <sub>4</sub>	Sulfuric acid	63
Br <sub>2</sub>	Bromine	16	I <sub>2</sub>	Iodine	64
BsCl	<i>p</i> -bromobenzene sulfonyl chloride	19	KMnO <sub>4</sub>	Potassium permanganate	66
CCl <sub>4</sub>	Carbon Tetrachloride	151	KCN	Potassium cyanide	23
CH <sub>2</sub> Cl <sub>2</sub>	Dichloromethane	151	KO <sup>t</sup> Bu	Potassium <i>t</i> -butoxide	69
Cl <sub>2</sub>	Chlorine	20	KPhth	Potassium Phthalimide	70
CN	Cyanide ion	23	LDA	Lithium diisopropyl amide	71
CrO <sub>3</sub>	Chromium trioxide	24	Li	Lithium	72
CuBr	Copper (I) Bromide	26	Lindlar's Catalyst		74
CuCl	Copper (I) Chloride	27	LiAlH <sub>4</sub>	Lithium aluminum hydride	75
CuI	Copper (I) Iodide	28	LiAlH(O <sup>t</sup> -Bu) <sub>3</sub>	Lithium tri <i>tert</i> -butoxy aluminum hydride	77
D	Deuterium	32	<i>m</i> -CPBA	<i>m</i> -chloroperoxy benzoic acid	78
DBU	1,8-Diazobicyclo undec-7-ene	133	Mg	Magnesium	80
DCC	<i>N,N'</i> -dicyclohexane carbodiimide	29	MsCl	Methanesulfonyl chloride	81
CH <sub>2</sub> N <sub>2</sub>	Diazomethane	31	NaN <sub>3</sub>	Sodium azide	82
DIBAL	Di-isobutyl aluminum hydride	33	Na	Sodium	83
DMF	<i>N,N'</i> -Dimethylformamide	151	NaBH <sub>4</sub>	Sodium borohydride	85
DMP	Dess-Martin Periodinane	35	NaBH(OAc) <sub>3</sub>	Sodium triacetoxo borohydride	87
DMS	Dimethyl sulfide	30	NaCNBH <sub>3</sub>	Sodium cyanoborohydride	88
DMSO	Dimethyl sulfoxide	151	Na <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	Sodium dichromate	50
Et <sub>2</sub> O	Diethyl ether	151	NaH	Sodium Hydride	89
Fe	Iron	36	NaIO <sub>4</sub>	Sodium periodate	90
FeBr <sub>3</sub>	Iron (III) bromide	37	NaNO <sub>2</sub>	Sodium nitrite	58
FeCl <sub>3</sub>	Iron (III) chloride	39	NaNH <sub>2</sub>	Sodium amide	91
Grignard Reagents		40	NaOH	Sodium hydroxide	92
Grubbs' Catalyst		153	NaOEt	Sodium Ethoxide	93
H <sub>2</sub>	Hydrogen	43	NBS	<i>N</i> -Bromosuccinimide	94
H <sup>+</sup>	Anhydrous Acid	44	NCS	<i>N</i> -Chloro Succinimide	96
H <sub>3</sub> O <sup>+</sup>	Aqueous acid	45	NIS	<i>N</i> -Iodo Succinimide	97
HBr	Hydrobromic acid	46	NH <sub>2</sub> OH	Hydroxylamine	98
HCl	Hydrochloric acid	48	NH <sub>3</sub>	Ammonia	99
H <sub>2</sub> CrO <sub>4</sub>	Chromic acid	50	NH <sub>2</sub> NH <sub>2</sub>	Hydrazine	100
Hg(OAc) <sub>2</sub>	Mercuric Acetate	52	Ni <sub>2</sub> B	Nickel boride	101

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	<i>N</i> -oxide	133
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Pd/C	Palladium on carbon	114
Pd(PPh <sub>3</sub> ) <sub>4</sub>	Palladium "tetrakis"	155
Pt	Platinum	115
PCC	Pyridinium chlorochromate	116
POCl <sub>3</sub>	Phosphorus oxychloride	117
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