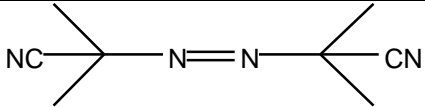
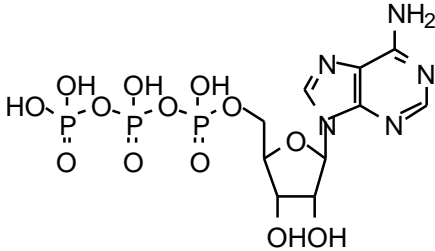
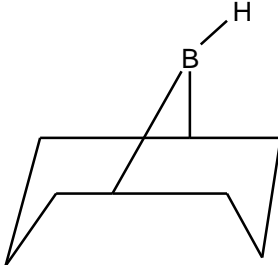
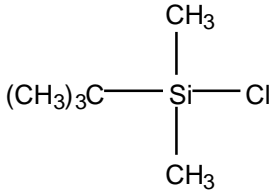


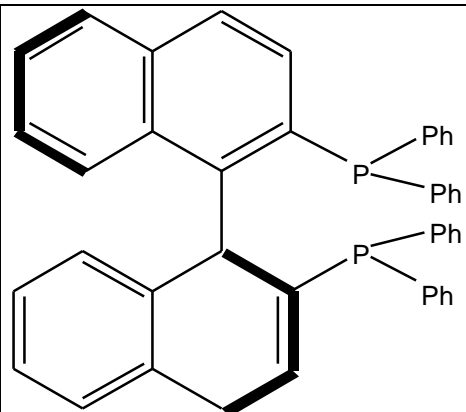
ACRONYMS (PART 1)

TABLE OF ACRONYMS FOR REAGENTS USED IN ORGANIC SYNTHESIS

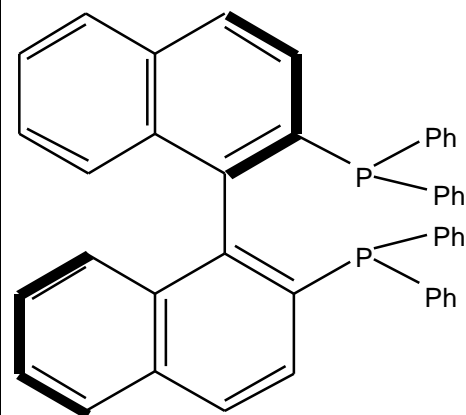
Acronym	Full Name	Structure
ACN	acetonitrile	CH_3CN
aq	aqueous	H_2O
AIBN	azobisisobutyronitrile	
ATP	adenosinetriphosphate	
9-BBN	9-borabicyclo[3.3.1]nonane	
BDSC	<i>t</i> -butyldimethylchlorosilane	

BINAP

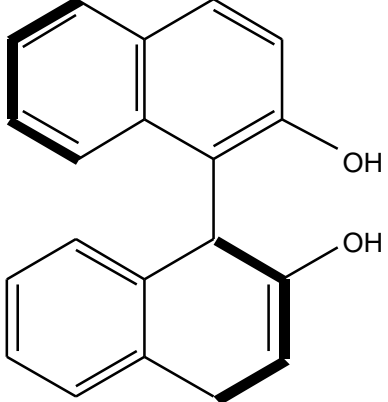
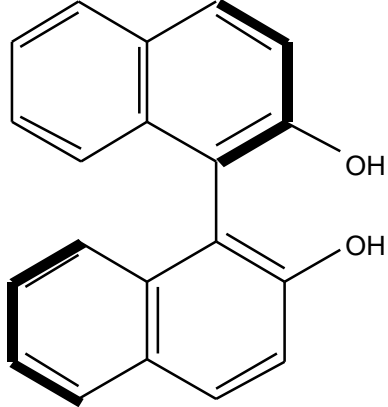
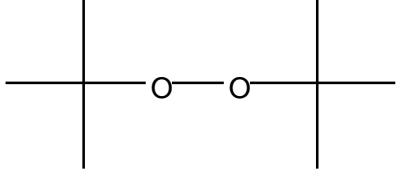
2,2'-bis(diphenylphosphino)-1,1'-binaphthyl

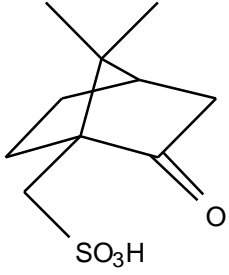
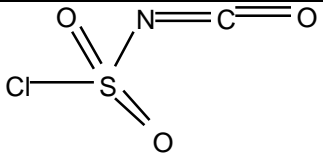
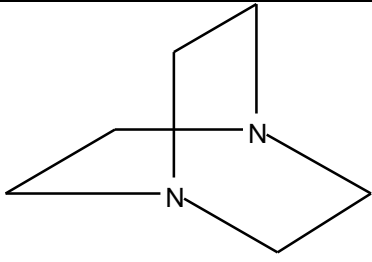
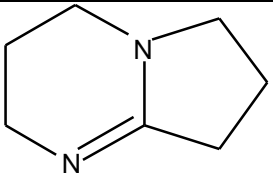
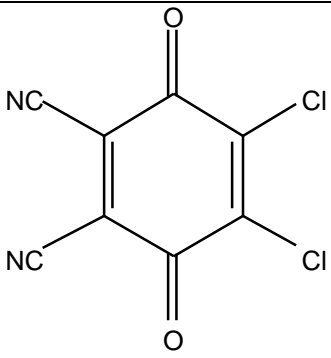


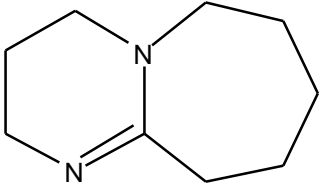
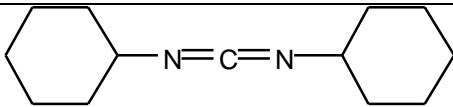
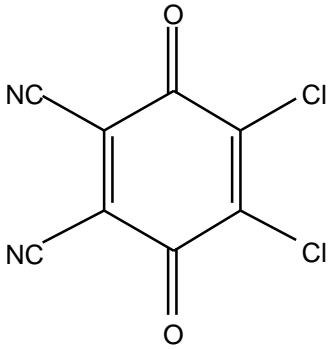
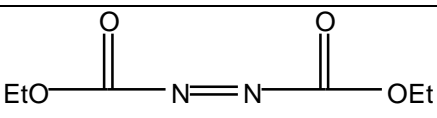
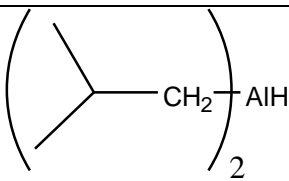
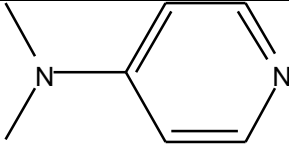
(S)-(-)

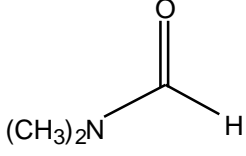
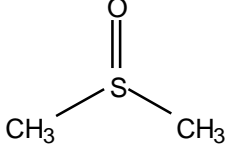
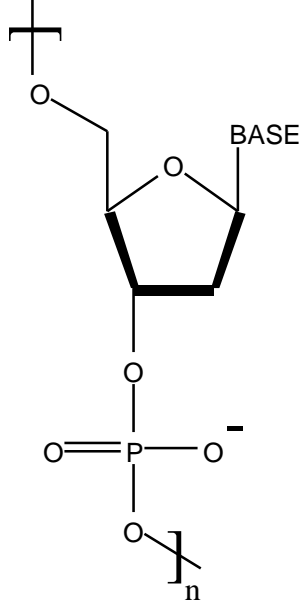
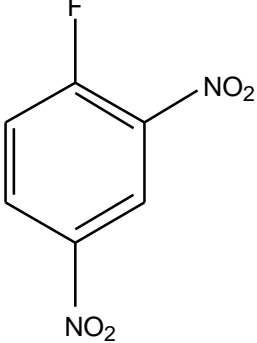


(R)-(+)

BINOL	2,2'-dihydroxy-1,1'-binaphthyl (binaphthyl alcohol)	 <p>(S)-(-)</p>  <p>(R)-(+)</p>
BMB	bisamylborane	
BMS	borane dimethylsulfide complex	$B_2H_6 - (CH_3)_2S$
BOOB	di- <i>t</i> -butylperoxide	

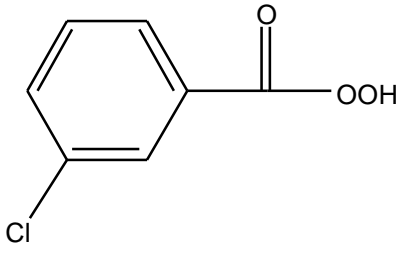
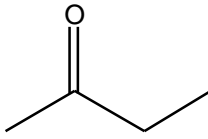
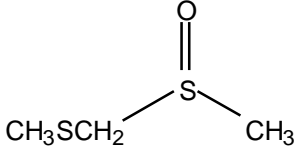
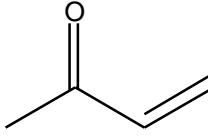
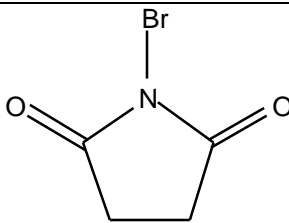
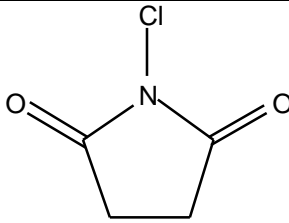
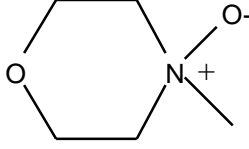
CSA	camphor-10-sulfonic acid	
CSI	chlorosulfonyl isocyanate	
DABCO	1,4-diazabicyclo[2.2.2]octane	
DBN	1,5-diazabicyclo[4.3.0]non-5-ene	
DBQ	2,3-dichloro-5,6-dicyano-1,4-dibenzoquinone	

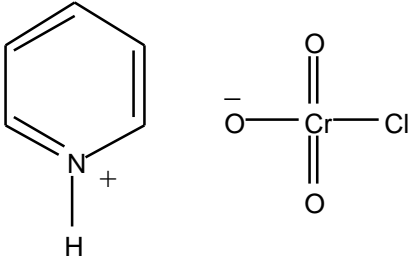
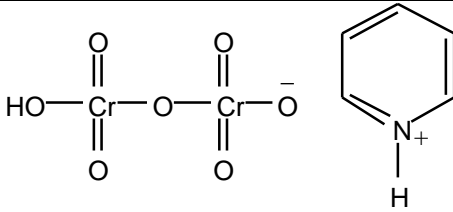
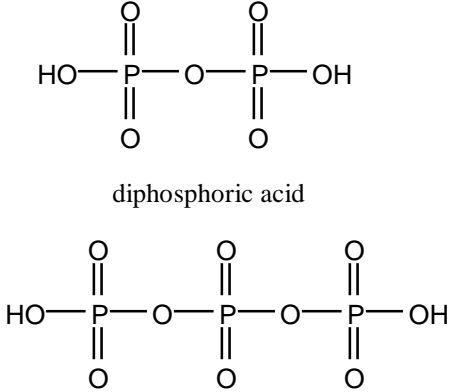
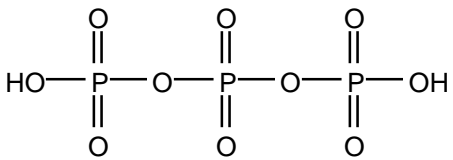
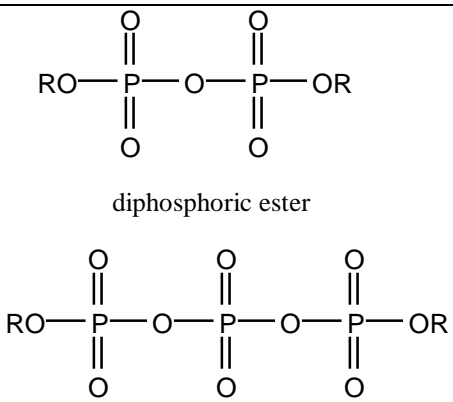
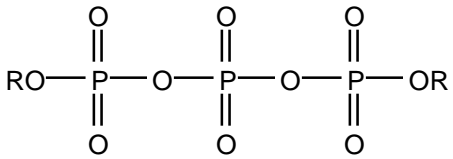
DBU	1,8-diazabicyclo[5.4.0]undec-7-ene	
DCC	1,3-dicyclohexylcarbodiimide	
DDQ	2,3-dichloro-5,6-dicyano-1,4-benzoquinone	
DEAD	diethylazodicarboxylate	
DIBAH (DIBAL)	diisobutylaluminum hydride	
DME	1,2-dimethoxyethane (glyme)	$\text{CH}_3\text{OCH}_2\text{CH}_2\text{OCH}_3$
DMAP	4-dimethylaminopyridine	

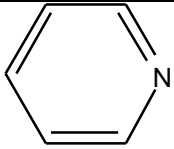
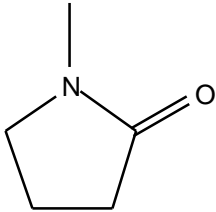
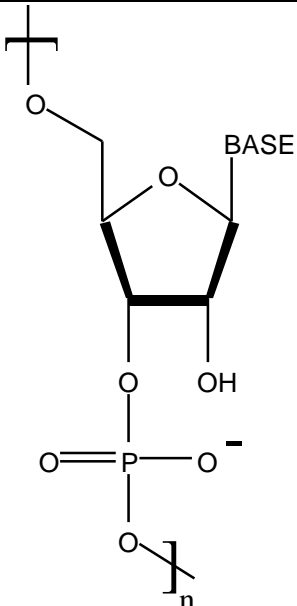
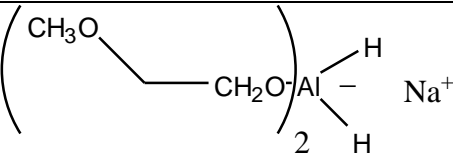
DMF	dimethylformamide	 <chem>CN(C)C=O</chem>
DMSO	dimethylsulfoxide	 <chem>CSC(=O)C</chem>
DNA	deoxyribonucleic acid	
DNFB	2,4-dinitrofluorobenzene	 <chem>Fc1cc([N+](=O)[O-])ccc1[N+](=O)[O-]</chem>

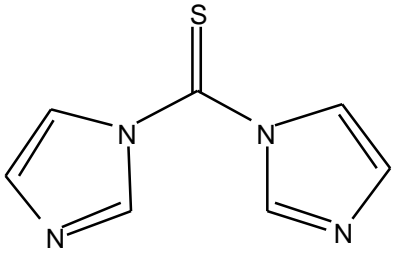
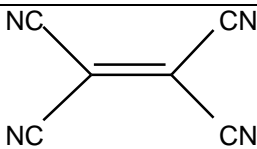
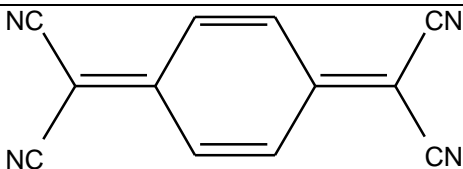
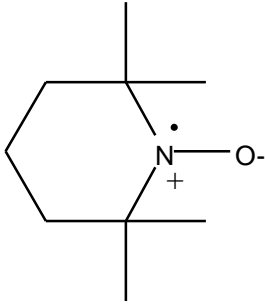
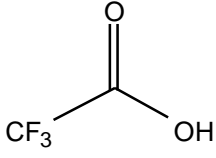
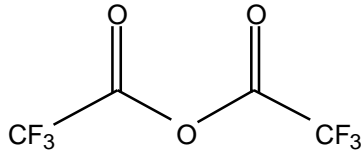
DNQ	diazonaphthoquinone	
DPK	diphenylketone	
DPPE	1,2-bis(diphenylphosphine)ethane	
DPPP	1,3-bis(diphenylphosphine)propane	
EDA	ethylenediamine	$\text{H}_2\text{N}^-\text{CH}_2-\text{CH}_2-\text{NH}_2$
EDDA	ethylene diammonium acetate	$^-\text{OAc} \text{H}_3\text{N}^+\text{-CH}_2-\text{CH}_2-\text{NH}_3^+ \text{OAc}^-$
EDTA	ethylenediaminetetraacetic acid	
EEA	ethyl acetoacetate	
HFIP	hexafluoroisopropyl alcohol	

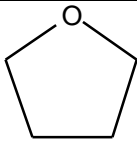
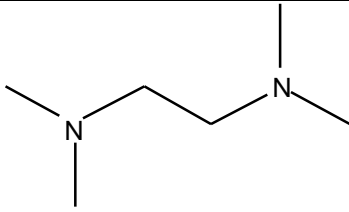
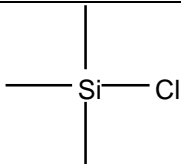
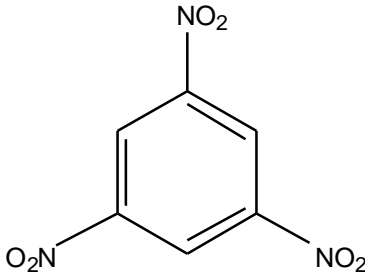
HMDS	hexamethyldisilazane or bis(trimethylsilyl)amine	$ \begin{array}{c} \text{Si(CH}_3\text{)}_3 \\ \\ \text{(CH}_3\text{)}_3\text{Si}-\text{N}-\text{H} \end{array} $
HMPA	hexamethylphosphoramide	$ \begin{array}{c} \text{O} \\ \\ \text{(CH}_3\text{)}_2\text{N}-\text{P}-\text{N(CH}_3\text{)}_2 \\ \\ \text{N(CH}_3\text{)}_2 \end{array} $
HMPT	hexamethylphosphoric triamide	$ \begin{array}{c} \text{O} \\ \\ \text{(CH}_3\text{)}_2\text{N}-\text{P}-\text{N(CH}_3\text{)}_2 \\ \\ \text{N(CH}_3\text{)}_2 \end{array} $
LAH	lithium aluminum hydride	$ \begin{array}{c} \text{H} \\ \\ \text{H}-\text{Al}-\text{H} \\ \\ \text{H} \end{array} \text{Li}^+ $
LDA	lithium diisopropylamide	$ \begin{array}{c} \text{CH}_3 \\ \\ \text{CH}-\text{N}- \\ \quad \\ \text{CH}_2 \quad \text{CH}_3 \\ \\ \text{CH}_3 \end{array} \text{Li}^+ $
LHMDS	lithium bis(trimethylsilyl)amide	$ \begin{array}{c} \text{Si} \\ \\ \text{N}- \\ \quad \\ \text{Si} \quad \text{Si} \\ \quad \quad \\ \text{CH}_3 \quad \text{CH}_3 \quad \text{CH}_3 \end{array} \text{Li}^+ $

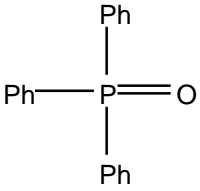
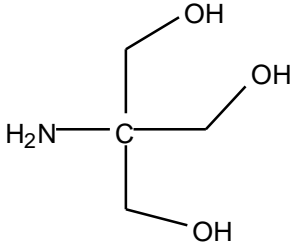
MCPBA	<i>meta</i> -chloroperoxybenzoic acid	
MET	methyl ethyl ketone	
MMTS	methyl methylthiomethylsulfoxide	
MVK	methyl vinyl ketone	
NBS	N-bromosuccinamide	
NCS	N-chlorosuccinamide	
NMO	N-methylmorpholine N-oxide	

PCC	pyridinium chlorochromate	 <p>The pyridinium cation is a six-membered aromatic ring with a positive charge on the nitrogen atom, which is bonded to a hydrogen atom. The chlorochromate anion consists of a central chromium atom bonded to two oxygen atoms (double bonds) and one chlorine atom (single bond), with a negative charge on the oxygen atom to the left.</p>
PDC	pyridinium dichromate	 <p>The dichromate anion consists of two chromium atoms bridged by an oxygen atom. Each chromium atom is also bonded to two oxygen atoms (double bonds) and one oxygen atom (single bond). The left chromium has a hydroxyl group (HO) and the right chromium has a negative charge on its oxygen atom. The pyridinium cation is a six-membered aromatic ring with a positive charge on the nitrogen atom, which is bonded to a hydrogen atom.</p>
PPA	polyphosphoric acid	 <p>Diphosphoric acid structure: $\text{HO}-\text{P}(=\text{O})_2-\text{O}-\text{P}(=\text{O})_2-\text{OH}$</p> <p>diphosphoric acid</p>  <p>triphosphoric acid</p>
PPE	polyphosphoric ester	 <p>Diphosphoric ester structure: $\text{RO}-\text{P}(=\text{O})_2-\text{O}-\text{P}(=\text{O})_2-\text{OR}$</p> <p>diphosphoric ester</p>  <p>triphosphoric ester</p>

Pyr or Py	pyridine	
NMP	N-methyl-2-pyrrolidone	
RNA	ribonucleic acid	
SMEAH	sodium bis(2-methoxyethoxy) aluminum hydride	
TBAF	tetrabutylammonium fluoride	$(n\text{-Bu})_4\text{N}^+ \text{F}^-$

TCDI	thiocarbonyldiimidazole	
TCNE	tetracyanoethylene	
TCNQ	tetracyanoquinodimethane	
TEA	triethylamine	Et_3N
TED	triethylenediamine	$\text{NH}_2(\text{CH}_2\text{CH}_2)_3\text{NH}_2$
TEMPO	2,2,6,6-tetramethylpiperidinoxy, free radical or 2,2,6,6- tetramethylpiperidine N-oxide	
TFA	trifluoroacetic acid	
TFAA	trifluoroacetic anhydride	

TFE	trifluoroethanol	$\text{CF}_3\text{CH}_2\text{OH}$
THF	tetrahydrofuran	
TMEDA	N,N,N',N'-tetramethylethylenediamine	
TMCS	chlorotrimethylsilane	
TMNO	trimethylamine N-oxide monohydrate	$(\text{CH}_3)_3\text{N}^+\text{O}^- \cdot \text{H}_2\text{O}$
TMS	tetramethylsilane	$(\text{CH}_3)_4\text{Si}$
TMSCl	trimethylchlorosilane	$(\text{CH}_3)_3\text{SiCl}$
TNT	trinitrotoluene	
TPP	triphenylphosphine	Ph_3P
TPP-DEAD	triphenylphosphine-DEAD	$\text{Ph}_3\text{P} - \text{EtOOCN}=\text{NCOOEt}$

TPPO	triphenylphosphine oxide	 <chem>O=P(c1ccccc1)(c1ccccc1)c1ccccc1</chem>
TRIS	tris(hydroxymethyl)aminomethane	 <chem>NC(CO)COCO</chem>