

2004 ORGANIC CHEMISTRY DATA SHEET

ACS Examinations Institute

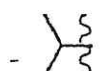
1	H
1.01	
3	Li
6.94	
11	Na
22.9	
19	K
39.1	

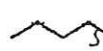
5	6	7	8	9
B	C	N	O	F
10.8	12.0	14.0	16.0	19.0
13	14	15	16	17
Al	Si	P	S	Cl
26.9	28.0	30.9	32.0	35.5
				35
				Br
				79.9
				53
				I
				127

CH₃- = Me = methyl

CH₃CH₂- = Et = ethyl

 = Pr = propyl or *n*-propyl

 = iPr = isopropyl

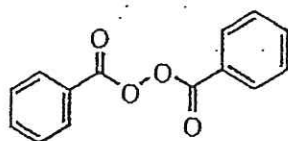
 = Bu = butyl or *n*-butyl

C₆H₅- = Ph or ϕ = phenyl

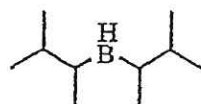
PhCH₂- = Bn = benzyl



DIBALH or DIBALH
diisobutylaluminum
hydride



benzoyl peroxide
example of ROOR



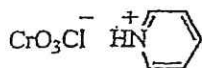
Sia₂BH
diisobutylborane



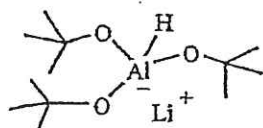
t-butyl
group



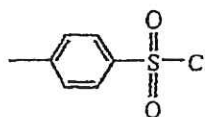
THF
tetrahydrofuran



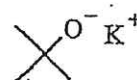
PCC, pyridinium
chlorochromate



LiAlH(Ot-Bu)₃, lithium
tri-*t*-butoxyaluminum hydride



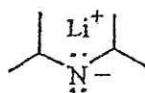
TsCl or TosCl
tosyl chloride



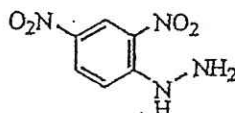
KOtBu
potassium *tert*-
butoxide



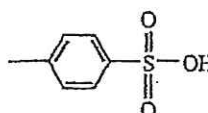
acetone



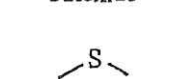
LDA, lithium
diisopropylamide



2,4-DNP or 2,4-DNPH
2,4-dinitrophenylhydrazine



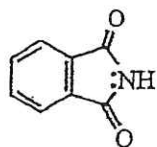
TsOH or TosOH
p-toluenesulfonic acid



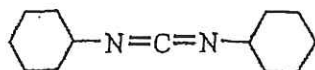
Me₂S, dimethyl
sulfide



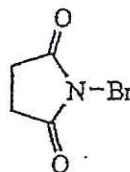
DMSO, dimethyl
sulfoxide



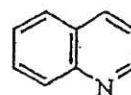
phthalimide



DCC
dicyclohexylcarbodiimide



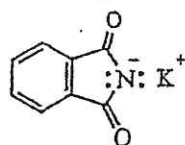
NBS
N-bromosuccinimide



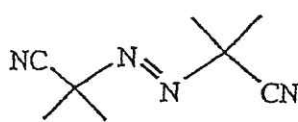
quinoline



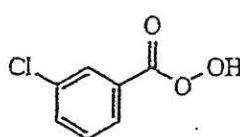
PYR
pyridine



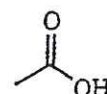
potassium
phthalimide



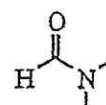
AIBN
azo-bis-isobutyronitrile



MCPBA
m-chloroperoxybenzoic acid
example of RCO₃H



AcOH
acetic acid



DMF
dimethylformamide