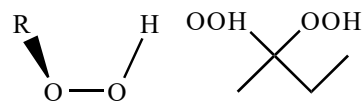


化学基团汇总

分类	前缀	后缀	官能团名称	化学式	结构式	举例
酰卤	haloformyl-	-oyl halide	卤代甲酰基	RCOX		乙酰氯
醇	hydroxy-	-ol	羟基	ROH	$\text{R}-\text{O}-\text{H}$	甲醇
酮	keto-, oxo-	-one	羰基	ROR'		丁酮
醛	aldo-	-al	醛基	RCHO		乙醛
碳酸酯	-alkyl,	carbonate	碳酸酯	ROCOOR		
羧酸盐	carboxy-	-oate	羧酸根	RCOO^-		乙酸钠
羧酸	carboxy-	-oic acid	羧基	RCOOH		乙酸
醚	alkoxy-	alkyl ether	醚	ROR'	$\text{R}-\text{O}-\text{R}'$	乙醚
酯	alkyl	alkanoate	酯	RCOOR'		丁酸乙酯

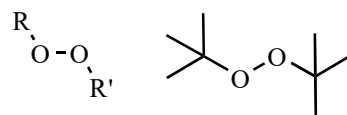
氢过氧化物 hydroperoxy- alkyl hydroperoxide 氢过氧基 ROOH

过氧化甲乙酮

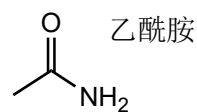
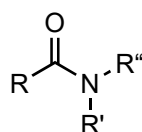


过氧化物 peroxy- alkyl peroxide 过氧基 ROOR

二叔丁基过氧化物

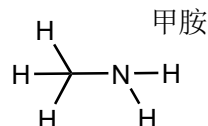
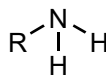


酰胺 carboxamido- -amide 酰胺 RCONR₂



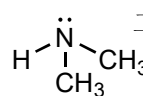
乙酰胺

伯胺 amino- -amine 伯胺 RNH₂



甲胺

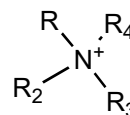
仲胺 amino- -amine 仲胺 R₂NH



二甲胺

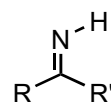
叔胺 amino- -amine 叔胺 R₃N

季胺盐 ammonio- -ammonium R₄N⁺



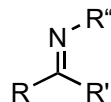
一级酮亚胺 imino- -imine

RC(=NH)R'



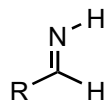
二级酮亚胺 imino- -imine

RC(=NR)R'



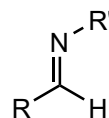
一级醛亚胺 imino- -imine

RC(=NR')H



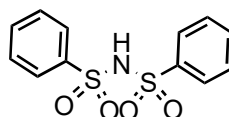
二级醛亚胺 imino- -imine

RC(=NR)R'

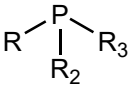
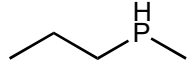


酰亚胺 imido- -imide

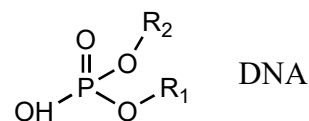
RC(=NR)R'



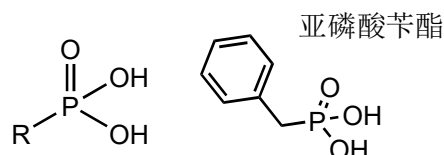
叠氮根	azido-	alkyl azide	RN ₃		叠氮苯
偶氮基	azo-	-diazene	RN ₂ R'		甲基黄
氰酸酯	cyanato-	alkyl cyanate	ROCN		
异腈	isocyano-	alkyl isocyanide	RNC		
异氰酸酯	isocyanato-	alkyl isocyanate	RNCO		异氰酸甲酯
异硫氰酸酯	isothiocyanato-	alkyl isothiocyanate	RNCS		异硫氰酸烯丙酯
硝酸酯	nitrooxy-	nitroxy- alkyl nitrate	RONO ₂		硝酸正戊酯
氰基	cyano-	alkanenitrate, alkyl cyanide	RCN		苯甲腈
亚硝酸酯	nitrosooxy-	alkyl nitrate	RONO		亚硝酸异戊酯
硝基	nitro-		RNO ₂		硝基甲烷
亚硝基	nitroso-		RNO		亚硝基苯
吡啶基	4-pyridyl 3-pyridyl 2-pyridyl	-pyridine	RC ₅ H ₄ N		尼古丁

膦 phosphino- -phosphane R_3P   甲基丙基膦

磷酸酯 phosphoric acid di(substituent) hydrogenphosphate $HOPO(OR)_2$

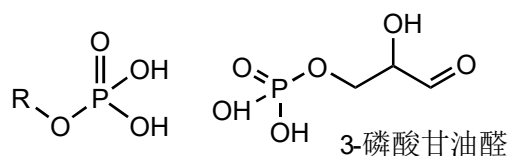


亚磷酸酯 phosphono- substituent phosphonic acid $RP(=O)(OH)_2$

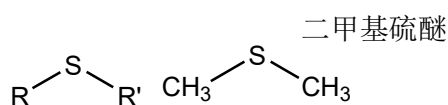


磷酸酯 phospho-

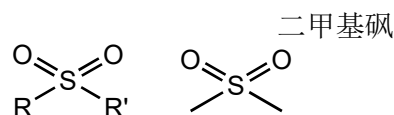
$ROP(=O)(OH)_2$



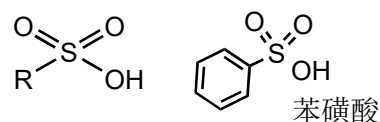
硫醚 di(substituent)sulfide RSR'



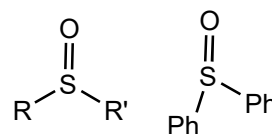
磺酰基 sulfonyl- di(substituent) sulfon RSO_2R'



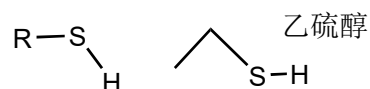
磺酸基 sulfo- substituent sulfonic acid RSO_3H



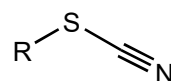
亚磺酰基 sulfinyl- di(substituent) sulfoxide $RSOR'$



巯基 mercapto-, sulfanyl- -thiol RSH

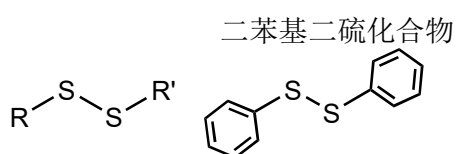


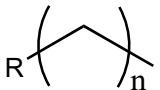
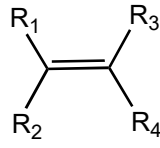
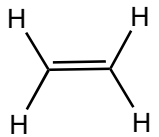
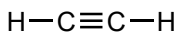
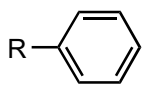
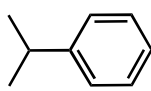
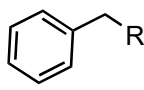
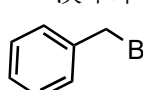
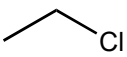
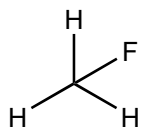
硫氰酸酯 thiocyanato- alkyl thiocyanate $RSCN$



二硫键 alkyl alkyl disulfide

$RSSR'$



烷烃	烷基	alkyl-	-ane	RH	  甲烷
烯烃	烯基	alkenyl-	-ene	$\text{R}_2\text{C}=\text{CR}_2$	 
炔烃	炔基	alkynyl-	-yne	$\text{R}\equiv\text{R}'$	$\text{R}-\equiv-\text{R}'$ 
苯基	phenyl-	-benzene	RC_6H_5 (RPh)		  异苯丙
苄基	benzyl-	1-(substituent)toluene	$\text{RCH}_2\text{C}_6\text{H}_5$ (RBn)		  溴甲苯
卤代烷	卤代	halo-	alkyl halide	RX	$\text{R}-\text{X}$  氯乙烷
氟代	fluoro-	alkyl fluoride	RF		$\text{R}-\text{F}$  一氟甲烷
氯代	chloro-	alkyl chloride	RCl	$\text{R}-\text{Cl}$	
溴代	bromo-	alkyl bromide	RBr	$\text{R}-\text{Br}$	
碘代	iodo-	alkyl iodide	RI	$\text{R}-\text{I}$	