

# Organic Chemistry

Table of organic compounds and their smells

	ALKANES		ALKENES	ALCOHOLS		ALDEHYDES			KETONES	
	-ane	cyclo- -ane	-ene	-anol	-an-2-ol	-anal	2-methyl -anal	3-(4-t-butylphenyl) -anal	-enal	-an-2-one
meth- 1 carbon	none	doesn't exist	carbene is too unstable to smell		doesn't exist		doesn't exist	doesn't exist	doesn't exist	doesn't exist
eth- 2 carbons	none	doesn't exist			doesn't exist		doesn't exist	doesn't exist	doesn't exist	doesn't exist
prop- 3 carbons	none									
but- 4 carbons	none									
pent- 5 carbons								?		
hex- 6 carbons								?		
benzene different naming system is used	n/a	n/a			doesn't exist			?	doesn't exist	doesn't exist
hept- 7 carbons								?		
oct- 8 carbons							?	?		
non- 9 carbons								?		
dec- 10 carbons					?			?		?
undec- 11 carbons		?			?			?		
dodec- 12 carbons					?		?	?		?
tridec- 13 carbons					?			?	?	
tetradec- 14 carbons		none			?		?	?	?	?
pentadec- 15 carbons		?			?		?	?		

ONES	CARBOXYLIC ACIDS		HALOALKANES			THIOLS	AMINES		NITRILES	LACTONES
methyl -an-2-one	-anoic acid	-enoic acid	chloro -ane	bromo -ane	iodo -ane	-anethiol	-anamine	diamino -ane	-anenitrile	-anolide
doesn't exist	PUNGENT & PENETRATING	doesn't exist	TOXIC & MILDLY SWEET	LIKE CHLOROFORM	SWEET, ACRID	SKUNK	?	?	doesn't exist	
doesn't exist	VINEGAR	doesn't exist	MILDLY SWEET	SWEET, ACRID	ETHEREAL	SKUNK	?	ETHEREAL	doesn't exist	
doesn't exist	SLIGHTLY RANCID	SHARP	MILDLY SWEET	SWEET	SHARP, UNIQUE	SKUNK	?	ETHEREAL	none	
LIKE NAIL VARNISH REMOVER	RANCID BUTTER	BROWN SUGAR	SHARP	PLEASANT, SWEET	SHARP, UNIQUE	butanethiol skunk 2-methyl butan-2-thiol natural gas odorant	?	DEAD ANIMALS	?	
MINT (4-methyl-)	DISGUSTING	?	MILD	PLEASANT, SWEET	?	ROASTED GARLIC	?	DEAD ANIMALS & URINE	HERBAL	
(3-methyl-)	GOATS	ARMPITS (WHEN 3-METHYLATED)	AROMATIC	SLIGHTLY SWEET	?	BURNED	?	ROTTING FISH	&	
Acetophenone	BALSAMIC	doesn't exist	AROMATIC	?	?	?	Aniline	TOXIC, AROMATIC	Benzonitrile	doesn't exist
BAD (6-methyl-)	RANCID	ARMPITS (WHEN 3-METHYLATED)	none	SLIGHTLY SWEET	none	SKUNK & ONION	?	?	CARAMEL &	
?	?	ARMPITS	none	?	SEAWEED	STENCH	?	?	?	
?	RANCID	ARMPITS	none	none	none	OBNOXIOUS	?	?	?	
?	?	ARMPITS	none	none	none	OBNOXIOUS	?	?	?	
?	WAXY	PUNGENT & PENETRATING	UNIQUE & UNPLEASANT	none	MOUSE PHEROMONE	OBNOXIOUS	?	?	&	
?	BAY OIL	FATTY	UNIQUE & UNPLEASANT	none	?	OBNOXIOUS	?	?	&	
?	WAX & NUTMEG	?	UNIQUE & UNPLEASANT	none	?	OBNOXIOUS	?	?	ANGELICA ROOT	
?	WAX & NUTMEG	?	UNIQUE & UNPLEASANT	none	?	OBNOXIOUS	?	?	CEDAR WOOD	
?	BIOMARKER FOR DAIRY CONSUMPTION (No smell)	?	UNIQUE & UNPLEASANT	none	?	OBNOXIOUS	?	?	MUSK	