CHEM 269: ALCOHOLS, ALDEHYDES & KETONES: DERIVATIVE MELTING POINTS

ALCOHOLS	3,5-DNB
3-methyl-1-butanol	61
1-octanol	61
1-butanol	64
4-methyl-2-pentanol	65
2-methyl-1-butanol	70
2-methyl-2-pentanol	72
1-propanol	74
2,4-dimethyl-3-pentanol	75
2-butanol	76
2-furanmethanol	80
tetrahydro-2-furanmethanol	83
2-methyl-3-pentanol	85
2-methyl-1-propanol	87
1-phenylethanol	93,95
3-methyl-3-pentanol	96
3-pentanol	97,99,101
2-methylcyclohexanol	99
3,3-dimethyl-2-butanol	107
2-phenylethanol	108
2,3-dimethyl-2-butanol	111
phenylmethanol	113
cyclopentanol	115
2-methyl-2-butanol	116

ALDEHYDES	2,4-DNP
2-heptynal	74
3,7-dimethyl-6-octenal	78
n-propoxyethanal	86
4-methoxy-2-methylbutanal	88
2-ethylbutanal	95
trans-3,7-dimethyl-2,6-octadienal	96
3,3-dimethylpentanal	102
2-methylpentanal	103
heptanal	108
phenylethanal	110
2-ethylhexanal	114
phenylethanal	121
3-methylbutanal	123
butanal	123
2-nonenal	126
trichloroethanal	131
2-ethylbutanal	134
2-butynal	136
propenal	165
ethanal	168
cyclohexanecarboxaldehyde	172

KETONES	2,4-DNP
3-ethyl-5-hexene-2-one	53
2-octanone	58
2-undecanone	63
4-heptanone	75
2-heptanone	75
3-heptanone	81
2,4-dimethyl-3-pentanone	88
2-heptanone	89
5-methyl-2-hexanone	95
2,4-dimethyl-3-pentanone	95
2-hexanone	106,110
5-phenoxy-2-pentanone	110
2-butanone	117
3-methyl-2-butanone	117,120
3,3-dimethyl-2-butanone	125
4-phenyl-2-butanone	127
2-propanone	127
3-hexanone	130
2-methylcyclohexanone	137
2-phenylcyclohexanone	139
cyclopentanone	141
2-pentanone	143
2,2-dimethyl-3-pentanone	144
cyclopentanone	146
3-methylcyclohexanone	155
3-pentanone	156
1-methoxy-2-propanone	159
cyclohexanone	162
isobutyrophenone	163
1-methoxy-2-propanone	163
n-butylphenyl ketone	166
n-pentylphenyl ketone	168

SOME COMPOUNDS APPEAR MORE THAN ONCE OR HAVE MORE THAN ONE MP LISTED BECAUSE THEY HAVE MORE THAN ONE POSSIBLE DERIVATIVE MELTING POINT; YOUR REACTION WILL PRODUCE ONLY ONE.

THIS TABLE IS INCLUDED WITH THE LAB HANDOUT ON THE COURSE WEBSITE.