
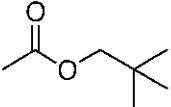

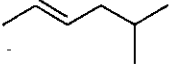
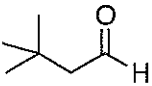
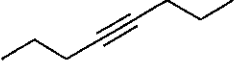
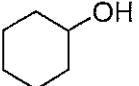

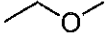
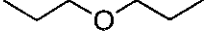
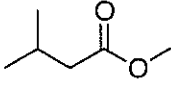
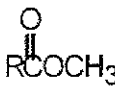
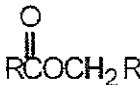

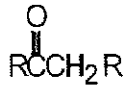
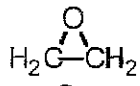




Molecule	# of Sets of Equivalent H Atoms	Ratio of Signal Integrations	Splitting Patterns	Other Notes
				
				
				
				
				
				
				
				
				
				
				

Type of Hydrogen (R = alkyl, Ar = aryl)	Chemical Shift (δ)*	Type of Hydrogen (R = alkyl, Ar = aryl)	Chemical Shift (δ)*
R ₂ NH	0.5-5.0	RCH ₂ OH	3.4-4.0
ROH	0.5-6.0	RCH ₂ Br	3.4-3.6
RCH ₃	0.8-1.0	RCH ₂ Cl	3.6-3.8
RCH ₂ R	1.2-1.4		3.7-3.9
R ₃ CH	1.4-1.7		4.1-4.7
R ₂ C=CRCHR ₂	1.6-2.6	RCH ₂ F	4.4-4.5
RC≡CH	2.0-3.0	ArOH	4.5-4.7
	2.1-2.3	R ₂ C=CH ₂	4.6-5.0
	2.2-2.6	R ₂ C=CHR	5.0-5.7
ArCH ₃	2.2-2.5		3.3-4.0
RCH ₂ NR ₂	2.3-2.8		9.5-10.1
RCH ₂ I	3.1-3.3		10-13
RCH ₂ OR	3.3-4.0		

* Values are relative to tetramethylsilane. Other atoms within the molecule may cause the signal to appear outside these ranges.

