

<b>type</b>		<b>chemical shift</b>
cyclopropane		0.2
primary	R-CH <sub>3</sub>	0.9
secondary	R <sub>2</sub> -CH <sub>2</sub>	1.3
tertiary	R <sub>3</sub> -CH	1.5
vinyllic	C=C-H	4.6 - 5.9
acetylenic	C≡C-H	2 - 3
aromatic	Ar-H	6 - 8.5
benzylic	Ar-C-H	2.2 - 3
allylic	C=C-CH <sub>3</sub>	1.7
fluorides	HC-F	4 - 4.5
chlorides	HC-Cl	3 - 4
bromides	HC-Br	2.5 - 4
iodides	HC-I	2 - 4
alcohols	HC-OH	3.4 - 4
ethers	HC-OR	3.4 - 4
esters	RCOO-CH	3.7 - 4.1
esters	HC-COOR	2 - 2.2
acids	HC-COOH	2 - 2.6
carbonyl compounds	HC-C=O	2 - 2.7
aldehydic	R-CHO	9 - 10
hydroxylic	ROH	1 - 5.5
phenolic	ArOH	4 - 12
enolic	C=C-OH	15 - 17
carboxylic	RCOOH	10.5 - 12
amino	RNH <sub>2</sub>	1 - 5