

NMR Solvent Properties

Solvent	$\delta^1\text{H}$ (ppm)	$J_{\text{H-D}}$ (Hz)	$\delta^{13}\text{C}$ (ppm)	$J_{\text{C-D}}$ (Hz)	$\delta^1\text{H}$ of HOD (ppm)	Temp. Range (°C)
Acetic acid	11.65 (1) 2.04 (5)	2.2	178.99 (1) 20.0 (7)		11.5	17 - 118
Acetone	2.05 (5)	2.2	206.68 (13) 29.2 (7)	0.9 19.4	2.8	-94 - 57
Acetonitrile	1.94 (5)	2.5	118.69 (1) 1.39 (7)	21.0	2.1	-45 - 82
Benzene	7.16 (1)		128.39 (3)	24.3	0.4	5 - 80
Chloroform	7.27 (1)		77.23 (3)	32.0	1.5	-64 - 62
Cyclohexane	1.38 (1)		26.43 (5)	19.0	0.8	6 - 81
Water	4.80 (DSS) 4.81 (TSP)				4.8	3.8 - 101.4
DMF	8.03 (1) 2.92 (5) 2.75 (5)	1.9 1.9	163.15 (3) 34.89 (7) 29.76 (7)	29.4 21.0 21.1	3.5	-61 - 153
DMSO	2.50 (5)	1.9	39.51 (7)	21.0	3.3	18 - 189
Dioxane	3.53 (m)		66.66 (5)	21.9	2.4	12 - 101
Ethanol	5.29 (1) 3.56 (1) 1.11 (m)		56.96 (5)	22	5.3	<-130 - 79
Methanol	4.87 (1) 3.31 (5)	1.7	49.15 (7)	21.4	4.9	-98 - 65
Methylene chloride	5.32 (3)	1.1	54.00 (5)	27.2	1.5	-95 - 40
Pyridine	8.74 (1) 7.58 (1) 7.22 (1)		150.35 (3) 135.91 (3) 123.57 (5)	27.5 24.5 25.0	5.0	-42 - 116
THF	3.58 (1) 1.73 (1)		67.57 (5) 25.37 (1)	22.2 20.2	2.4 - 2.5	-109 - 66
Toluene	7.09 (m) 7.00 (1) 6.98 (5) 2.09 (5)	2.3	137.86 (1) 129.24 (3) 128.33 (3) 125.49 (3) 20.4 (7)	23.0 24.0 24.0 10.0	0.4	-95 - 111
TFA	11.50 (1)		164.2 (4) 116.6 (4)		11.5	-15 - 72

From Cambridge Isotope Laboratories *NMR Solvent Data Chart*, 1994.