

<u>Solvent</u>	<u>Chemical Formula</u>	<u>Boiling point</u>	<u>Dielectric constant</u>	<u>Density</u>	<u>Dipole moment (D)</u>
<u>Non-Polar Solvents</u>					
<u>Hexane</u>	CH ₃ -CH ₂ -CH ₂ -CH ₂ - CH ₂ -CH ₃	69 °C	2.0	0.655 g/ml	0.00 D
<u>Benzene</u>	C ₆ H ₆	80 °C	2.3	0.879 g/ml	0.00 D
<u>Toluene</u>	C ₆ H ₅ -CH ₃	111 °C	2.4	0.867 g/ml	0.36 D
<u>1,4-Dioxane</u>	/-CH ₂ -CH ₂ -O-CH ₂ - CH ₂ -O-\	101 °C	2.3	1.033 g/ml	0.45 D
<u>Chloroform</u>	CHCl ₃	61 °C	4.8	1.498 g/ml	1.04 D
<u>Diethyl ether</u>	CH ₃ -CH ₂ -O-CH ₂ - CH ₃	35 °C	4.3	0.713 g/ml	1.15 D
<u>Dichloromethane</u> (DCM)	CH ₂ Cl ₂	40 °C	9.1	1.3266 g/ml	1.60 D
<u>Polar Aprotic Solvents</u>					
<u>tetrahydrofuran</u> (THF)	/-CH ₂ -CH ₂ -O-CH ₂ - CH ₂ -\	66 °C	7.5	0.886 g/ml	1.75 D
<u>ethyl acetate</u> (EtOAc)	CH ₃ -C(=O)-O-CH ₂ - CH ₃	77 °C	6.0	0.894 g/ml	1.78 D
<u>acetone</u>	CH ₃ -C(=O)-CH ₃	56 °C	21	0.786 g/ml	2.88 D
<u>dimethylformamide</u> (DMF)	H-C(=O)N(CH ₃) ₂	153 °C	38	0.944 g/ml	3.82 D
<u>acetonitrile</u> (MeCN)	CH ₃ -C≡N	82 °C	37	0.786 g/ml	3.92 D
<u>dimethyl sulfoxide</u> (DMSO)	CH ₃ -S(=O)-CH ₃	189 °C	47	1.092 g/ml	3.96 D
<u>Polar Protic Solvents</u>					
<u>formic acid</u>	H-C(=O)OH	101 °C	58	1.21 g/ml	1.41 D
<u>n-butanol</u>	CH ₃ -CH ₂ -CH ₂ -CH ₂ - OH	118 °C	18	0.810 g/ml	1.63 D
<u>isopropanol</u> (IPA)	CH ₃ -CH(-OH)-CH ₃	82 °C	18	0.785 g/ml	1.66 D
<u>nitromethane</u>	CH ₃ -NO ₂	100–103 °C	35.87	1.1371 g/ml	3.56 D
<u>ethanol</u> (EtOH)	CH ₃ -CH ₂ -OH	79 °C	30	0.789 g/ml	1.69 D
<u>methanol</u> (MeOH)	CH ₃ -OH	65 °C	33	0.791	1.70 D

				g/ml	
Acetic acid (AcOH)	CH ₃ -C(=O)OH	118 °C	6.2	1.049 g/ml	1.74 D
Water	H-O-H	100 °C	80	1.000 g/ml	1.85 D