

369.83

Name	Formula	Molar mass (g/mol)	T_C (K)	P_C (bar)	V_C (cm ³ /mol)	Z_C –	ω –
Propane	C ₃ H ₈	44.097	231.02	42.48	200.00	0.276	0.152
1-Propanol	C ₃ H ₈ O	60.096	536.78	51.75	219.00	0.254	0.629
2-Propanol	C ₃ H ₈ O	60.096	508.30	47.62	220.00	0.248	0.665
1,3-Butadiene	C ₄ H ₆	54.092	425.00	43.20	221.00	0.270	0.195
1-Butene	C ₄ H ₈	56.108	419.50	40.20	240.80	0.278	0.194
cis-2-Butene	C ₄ H ₈	56.108	428.60	41.00	237.70	0.276	0.218
trans-2-Butene	C ₄ H ₈	56.108	435.50	42.10	233.80	0.269	0.203
Methyl ethyl ketone	C ₄ H ₈ O	72.107	536.80	42.10	267.00	0.252	0.322
Tetrahydrofuran	C ₄ H ₈ O	72.107	540.20	51.90	224.00	0.259	
Ethyl acetate	C ₄ H ₈ O ₂	88.106	523.20	38.30	286.00	0.252	0.361
n-Butane	C ₄ H ₁₀	58.123	425.12	37.96	255.00	0.274	0.200
Isobutane	C ₄ H ₁₀	58.123	407.85	36.40	262.70	0.278	0.186
1-Butanol	C ₄ H ₁₀ O	74.123	563.05	44.23	275.00	0.260	0.590
Diethyl ether	C ₄ H ₁₀ O	74.123	466.70	36.40	280.00	0.263	0.281
Cyclopentane	C ₅ H ₁₀	70.134	511.60	45.08	260.00	0.276	
n-Pentane	C ₅ H ₁₂	72.150	469.70	33.70	311.00	0.268	0.252
Chlorobenzene	C ₆ H ₅ Cl	112.558	632.40	45.20	308.00	0.265	0.251
Benzene	C ₆ H ₆	78.114	562.05	48.95	256.00	0.268	0.210
Phenol	C ₆ H ₆ O	94.113	694.25	61.30	229.00	0.243	0.442
Cyclohexane	C ₆ H ₁₂	84.161	553.50	40.73	308.00	0.273	0.211
n-Hexane	C ₆ H ₁₄	86.177	507.60	30.25	368.00	0.264	0.300
Toluene	C ₇ H ₈	92.141	591.75	41.08	316.00	0.264	0.264
n-Heptane	C ₇ H ₁₆	100.204	540.20	27.40	428.00	0.261	0.350
Ethylbenzene	C ₈ H ₁₀	106.167	617.15	36.09	374.00	0.263	0.304
o-Xylene	C ₈ H ₁₀	106.167	630.30	37.32	370.00	0.263	0.312
m-Xylene	C ₈ H ₁₀	106.167	617.00	35.41	375.00	0.259	0.327
p-Xylene	C ₈ H ₁₀	106.167	616.20	35.11	378.00	0.259	0.322
n-Octane	C ₈ H ₁₈	114.231	568.70	24.90	492.00	0.259	0.399
Isooctane	C ₈ H ₁₈	114.231	543.90	28.70	469.70	0.266	0.304
Cumene	C ₉ H ₁₂	120.194	631.00	32.09	437.70	0.261	0.326
n-Nonane	C ₉ H ₂₀	128.258	594.60	22.90	555.00	0.257	0.445
n-Decane	C ₁₀ H ₂₂	142.285	617.70	21.10	624.00	0.256	0.490
Biphenyl	C ₁₂ H ₁₀	154.211	773.00	33.80	497.00	0.261	0.404
Chlorine	Cl ₂	70.905	417.00	77.00	124.00	0.275	
Hydrogen	H ₂	2.016	32.98	12.93	64.20	0.303	–0.217
Water	H ₂ O	18.015	647.14	220.64	55.95	0.229	0.344

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