

2-Furanmethanol

Other names:	2-(Hydroxymethyl)furan 2-FURYLMETHANOL 2-Furancarbinol 2-Furane-methanol (furfurol) 2-Furanemethanol 2-Furanmethanol (furfuryl alcohol) 2-Furanylmethanol 2-Furfuryl alcohol 2-Furfurylalkohol 2-Furylcarbinol 2-Hydroxymethylfurane 2-hydroxymethylfuran 5-Hydroxymethylfuran ALPHA-FURFURYL ALCOHOL FURYL ALCOHOL Furan-2-methanol Furfural alcohol Furfuralcohol Furfuranol Furfurol Furfuryl alcohol Furylcarbinol Methanol, (2-furyl)- NCI-C56224 NSC 8843 Qo furfuryl alcohol UN 2874 furanmethanol furfuryl alcohol (furfurol) «alpha»-Furfuryl alcohol «alpha»-Furylcarbinol Â«alphaÂ»-Furfuryl alcohol Â«alphaÂ»-Furylcarbinol
Inchi:	InChI=1S/C5H6O2/c6-4-5-2-1-3-7-5/h1-3,6H,4H2
InchiKey:	XPFVYQJUAUNWIW-UHFFFAOYSA-N
Formula:	C5H6O2
SMILES:	OCc1ccco1
Mol. weight [g/mol]:	98.10
CAS:	98-00-0

Physical Properties

Property code	Value	Unit	Source
chl	-2548.70	kJ/mol	NIST Webbook
chl	-2548.00	kJ/mol	NIST Webbook
chl	-2540.00	kJ/mol	NIST Webbook
hf	-212.00	kJ/mol	NIST Webbook
hf	-212.60	kJ/mol	NIST Webbook
hf	-211.80 ± 2.10	kJ/mol	NIST Webbook
hfl	-276.20 ± 1.30	kJ/mol	NIST Webbook
hfl	-276.40	kJ/mol	NIST Webbook
hfl	-277.00	kJ/mol	NIST Webbook
hvap	64.40 ± 1.70	kJ/mol	NIST Webbook
hvap	64.40	kJ/mol	NIST Webbook
log10ws	-5.35		Crippen Method
logp	0.772		Crippen Method
mcvol	73.590	ml/mol	McGowan Method
nfpaf	%!d(float64=2)		KDB
nfpah	%!d(float64=1)		KDB
nfpas	%!d(float64=1)		KDB
rinpol	845.00		NIST Webbook
rinpol	863.00		NIST Webbook
rinpol	876.00		NIST Webbook
rinpol	880.00		NIST Webbook
rinpol	830.00		NIST Webbook
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ripol	1666.00	NIST Webbook
ripol	1678.00	NIST Webbook
ripol	1631.00	NIST Webbook
ripol	1662.00	NIST Webbook

sl	215.50	J/mol×K	NIST Webbook
sl	215.90	J/mol×K	NIST Webbook
tt	258.60 ± 0.20	K	NIST Webbook
tt	253.50 ± 0.30	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpl	204.01	J/mol×K	298.15	NIST Webbook
cpl	193.30	J/mol×K	303.00	NIST Webbook
hfust	14.81	kJ/mol	253.50	NIST Webbook
hfust	13.10	kJ/mol	258.60	NIST Webbook
hfust	13.13	kJ/mol	258.60	NIST Webbook
hvapt	53.60	kJ/mol	373.50	NIST Webbook
pvap	17.68	kPa	393.15	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures
pvap	1.60	kPa	343.15	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures
pvap	2.75	kPa	353.15	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures

pvap	4.59	kPa	363.15	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures
pvap	0.89	kPa	333.15	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures
pvap	7.40	kPa	373.15	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures
pvap	11.59	kPa	383.15	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures
pvap	2.60	kPa	353.30	Isothermal vapor liquid equilibrium for binary mixtures containing furfural and its derivatives
pvap	7.00	kPa	373.00	Isothermal vapor liquid equilibrium for binary mixtures containing furfural and its derivatives

pvap	30.10	kPa	407.90	Isothermal vapor liquid equilibrium for binary mixtures containing furfural and its derivatives
pvap	9.00e-03	kPa	273.11	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures
pvap	0.02	kPa	283.08	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures
pvap	0.05	kPa	293.16	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures
pvap	0.12	kPa	303.09	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures
pvap	0.47	kPa	323.16	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures

pvap	0.24	kPa	313.15	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures
pvap	0.88	kPa	333.17	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures
pvap	1.48	kPa	341.85	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures
pvap	1.61	kPa	343.19	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures
pvap	2.58	kPa	351.81	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures

pvap	2.79	kPa	353.20	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures
pvap	4.37	kPa	362.09	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures
pvap	4.65	kPa	363.20	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures
pvap	7.07	kPa	372.04	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures
pvap	11.09	kPa	382.09	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures

pvap	17.10	kPa	392.15	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures
pvap	25.11	kPa	402.18	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures
pvap	36.53	kPa	412.11	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures
pvap	0.81	kPa	331.87	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures
pvap	0.47	kPa	323.15	Phase equilibrium properties of binary mixtures containing 2,5-dimethylfuran and furfuryl alcohol or methyl isobutyl ketone at several temperatures
rhoI	1130.27	kg/m3	298.15	Self-aggregation of liquids from biomass in aqueous solution

rhoI	1113.63	kg/m3	313.15	Volumetric and acoustic properties of binary systems (furfural or furfuryl alcohol + toluene) and (furfuryl alcohol + ethanol) at different temperatures
rhoI	1122.99	kg/m3	303.15	Volumetric and acoustic properties of binary systems (furfural or furfuryl alcohol + toluene) and (furfuryl alcohol + ethanol) at different temperatures
rhoI	1132.26	kg/m3	293.15	Volumetric and acoustic properties of binary systems (furfural or furfuryl alcohol + toluene) and (furfuryl alcohol + ethanol) at different temperatures
rhoI	1141.46	kg/m3	283.15	Volumetric and acoustic properties of binary systems (furfural or furfuryl alcohol + toluene) and (furfuryl alcohol + ethanol) at different temperatures
sfust	58.40	J/mol×K	253.50	NIST Webbook
sfust	50.77	J/mol×K	258.60	NIST Webbook

Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.68800e+01
Coeff. B	-4.88331e+03
Coeff. C	-4.53900e+01

sl: Liquid phase molar entropy at standard conditions

tt: Triple Point Temperature

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