

# Benzenemethanol, 2-(dimethylamino)-

Other names:	Benzyl alcohol, o-(dimethylamino)- o-(Dimethylamino)benzyl alcohol
Inchi:	InChI=1S/C9H13NO/c1-10(2)9-6-4-3-5-8(9)7-11/h3-6,11H,7H2,1-2H3
InchiKey:	OOKMNUXTRORHIA-UHFFFAOYSA-N
Formula:	C9H13NO
SMILES:	CN(C)c1ccccc1CO
Mol. weight [g/mol]:	151.21
CAS:	4707-56-6

## Physical Properties

Property code	Value	Unit	Source
gf	101.64	kJ/mol	Joback Method
hf	-88.73	kJ/mol	Joback Method
hfus	19.83	kJ/mol	Joback Method
hvap	57.29	kJ/mol	Joback Method
log10ws	-1.52		Crippen Method
logp	1.245		Crippen Method
mcvol	129.760	ml/mol	McGowan Method
pc	3560.02	kPa	Joback Method
tb	541.60	K	Joback Method
tc	735.15	K	Joback Method
tf	323.42	K	Joback Method
vc	0.469	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	300.17	J/molxK	541.60	Joback Method
cpg	312.22	J/molxK	573.86	Joback Method
cpg	323.58	J/molxK	606.12	Joback Method
cpg	334.30	J/molxK	638.38	Joback Method
cpg	344.40	J/molxK	670.64	Joback Method
cpg	353.91	J/molxK	702.89	Joback Method
cpg	362.85	J/molxK	735.15	Joback Method

# Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	388.00	K	1.00	NIST Webbook

## Sources

Joback Method:	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
McGowan Method:	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
NIST Webbook:	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C4707566&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C4707566&amp;Units=SI</a>
Crippen Method:	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
Crippen Method:	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>

## Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>gf:</b>	Standard Gibbs free energy of formation
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfus:</b>	Enthalpy of fusion at standard conditions
<b>hvap:</b>	Enthalpy of vaporization at standard conditions
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>tb:</b>	Normal Boiling Point Temperature
<b>tbrp:</b>	Boiling point at reduced pressure
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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