

# 1-Nonanol, carbamate

<b>Inchi:</b>	InChI=1S/C10H21NO2/c1-2-3-4-5-6-7-8-9-13-10(11)12/h2-9H2,1H3,(H2,11,12)
<b>InchiKey:</b>	ITCNMBZZNCMZMS-UHFFFAOYSA-N
<b>Formula:</b>	C10H21NO2
<b>SMILES:</b>	CCCCCCCCCOC(N)=O
<b>Mol. weight [g/mol]:</b>	187.28

## Physical Properties

Property code	Value	Unit	Source
gf	-134.15	kJ/mol	Joback Method
hf	-460.74	kJ/mol	Joback Method
hfus	29.64	kJ/mol	Joback Method
hvap	57.65	kJ/mol	Joback Method
log10ws	-3.28		Crippen Method
logp	2.832		Crippen Method
mvol	169.180	ml/mol	McGowan Method
pc	2322.54	kPa	Joback Method
rinpol	1478.00		NIST Webbook
rinpol	1478.00		NIST Webbook
tb	577.02	K	Joback Method
tc	759.12	K	Joback Method
tf	357.88	K	Joback Method
vc	0.648	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	432.71	J/mol×K	577.02	Joback Method
cpg	446.92	J/mol×K	607.37	Joback Method
cpg	460.53	J/mol×K	637.72	Joback Method
cpg	473.52	J/mol×K	668.07	Joback Method
cpg	485.92	J/mol×K	698.42	Joback Method
cpg	497.74	J/mol×K	728.77	Joback Method
cpg	508.97	J/mol×K	759.12	Joback Method

# Sources

<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R579403&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R579403&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</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>hvp:</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>rinp:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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