

# LIDOCAINE, M(HO-), AC

<b>Inchi:</b>	InChI=1S/C16H24N2O3/c1-6-18(7-2)10-15(20)17-16-11(3)8-14(9-12(16)4)21-13(5)19/h8
<b>InchiKey:</b>	QYOJLLPNXXHIAW-UHFFFAOYSA-N
<b>Formula:</b>	C16H24N2O3
<b>SMILES:</b>	CCN(CC)CC(=O)Nc1c(C)cc(OC(C)=O)cc1C
<b>Mol. weight [g/mol]:</b>	292.37

## Physical Properties

Property code	Value	Unit	Source
gf	4.69	kJ/mol	Joback Method
hf	-407.83	kJ/mol	Joback Method
hfus	42.58	kJ/mol	Joback Method
hvap	79.85	kJ/mol	Joback Method
log10ws	-3.18		Crippen Method
logp	2.509		Crippen Method
mvol	241.510	ml/mol	McGowan Method
pc	1813.86	kPa	Joback Method
rmpol	2300.00		NIST Webbook
rmpol	2300.00		NIST Webbook
tb	799.87	K	Joback Method
tc	1004.23	K	Joback Method
tf	541.28	K	Joback Method
vc	0.906	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	716.02	J/molxK	799.87	Joback Method
cpg	730.71	J/molxK	833.93	Joback Method
cpg	744.40	J/molxK	867.99	Joback Method
cpg	757.13	J/molxK	902.05	Joback Method
cpg	768.92	J/molxK	936.11	Joback Method
cpg	779.80	J/molxK	970.17	Joback Method
cpg	789.79	J/molxK	1004.23	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R255162&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R255162&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</a>
<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>

# 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>rinpola:</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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