

# 2-(2-Naphthyloxy)-1-propanol

<b>Inchi:</b>	InChI=1S/C13H14O2/c1-10(9-14)15-13-7-6-11-4-2-3-5-12(11)8-13/h2-8,10,14H,9H2,1H3
<b>InchiKey:</b>	MIOCXGZKIFRNRK-UHFFFAOYSA-N
<b>Formula:</b>	C13H14O2
<b>SMILES:</b>	CC(CO)Oc1ccc2ccccc2c1
<b>Mol. weight [g/mol]:</b>	202.25

## Physical Properties

Property code	Value	Unit	Source
gf	23.75	kJ/mol	Joback Method
hf	-185.25	kJ/mol	Joback Method
hfus	21.85	kJ/mol	Joback Method
hvap	67.81	kJ/mol	Joback Method
log10ws	-3.61		Crippen Method
logp	2.599		Crippen Method
mcvol	162.550	ml/mol	McGowan Method
pc	3012.33	kPa	Joback Method
tb	661.64	K	Joback Method
tc	872.54	K	Joback Method
tf	375.96	K	Joback Method
vc	0.609	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	421.95	J/molxK	661.64	Joback Method
cpg	477.84	J/molxK	837.39	Joback Method
cpg	468.11	J/molxK	802.24	Joback Method
cpg	457.71	J/molxK	767.09	Joback Method
cpg	446.57	J/molxK	731.94	Joback Method
cpg	434.67	J/molxK	696.79	Joback Method
cpg	486.94	J/molxK	872.54	Joback Method
dvisc	0.0000704	Paxs	661.64	Joback Method
dvisc	0.0001012	Paxs	614.03	Joback Method
dvisc	0.0001547	Paxs	566.41	Joback Method

dvisc	0.0002556	Paxs	518.80	Joback Method
dvisc	0.0004674	Paxs	471.19	Joback Method
dvisc	0.0009789	Paxs	423.57	Joback Method
dvisc	0.0024723	Paxs	375.96	Joback Method

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=B6001059&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=B6001059&amp;Units=SI</a>

## Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>dvisc:</b>	Dynamic viscosity
<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>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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