

# 1-Hydroxy-2-(n-benzyl) naphthamide

<b>Inchi:</b>	InChI=1S/C18H15NO2/c20-17-15-9-5-4-8-14(15)10-11-16(17)18(21)19-12-13-6-2-1-3-7-
<b>InchiKey:</b>	HGCOHDNNHKHJAJ-UHFFFAOYSA-N
<b>Formula:</b>	C18H15NO2
<b>SMILES:</b>	O=C(NCc1ccccc1)c1ccc2ccccc2c1O
<b>Mol. weight [g/mol]:</b>	277.32
<b>CAS:</b>	5697-04-1

## Physical Properties

Property code	Value	Unit	Source
gf	228.37	kJ/mol	Joback Method
hf	1.39	kJ/mol	Joback Method
hfus	39.57	kJ/mol	Joback Method
hvap	88.71	kJ/mol	Joback Method
log10ws	-5.28		Crippen Method
logp	3.475		Crippen Method
mcvol	214.920	ml/mol	McGowan Method
pc	2989.32	kPa	Joback Method
tb	873.22	K	Joback Method
tc	1130.33	K	Joback Method
tf	604.99	K	Joback Method
vc	0.756	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	628.08	J/molxK	873.22	Joback Method
cpg	641.18	J/molxK	916.07	Joback Method
cpg	653.72	J/molxK	958.92	Joback Method
cpg	665.92	J/molxK	1001.77	Joback Method
cpg	677.98	J/molxK	1044.62	Joback Method
cpg	690.12	J/molxK	1087.48	Joback Method
cpg	702.54	J/molxK	1130.33	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C5697041&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C5697041&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>mccvol:</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

Latest version available from:

<https://www.chemeo.com/cid/41-643-2/1-Hydroxy-2-n-benzyl-naphthamide.pdf>

Generated by Cheméo on 2024-04-23 17:10:01.464267849 +0000 UTC m=+16181450.384845165.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.