

# bornyl methyl ether

<b>Inchi:</b>	InChI=1S/C11H20O/c1-10(2)8-5-6-11(10,3)9(7-8)12-4/h8-9H,5-7H2,1-4H3
<b>InchiKey:</b>	ZRHVOKYSOWTPIG-UHFFFAOYSA-N
<b>Formula:</b>	C11H20O
<b>SMILES:</b>	COC1CC2CCC1(C)C2(C)C
<b>Mol. weight [g/mol]:</b>	168.28

## Physical Properties

Property code	Value	Unit	Source
gf	19.74	kJ/mol	Joback Method
hf	-273.35	kJ/mol	Joback Method
hfus	9.15	kJ/mol	Joback Method
hvap	39.57	kJ/mol	Joback Method
log10ws	-2.69		Crippen Method
logp	2.848		Crippen Method
mcvol	150.000	ml/mol	McGowan Method
pc	2545.61	kPa	Joback Method
ripol	1252.00		NIST Webbook
ripol	1252.00		NIST Webbook
tb	482.39	K	Joback Method
tc	692.35	K	Joback Method
tf	307.64	K	Joback Method
vc	0.570	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	362.31	J/mol×K	482.39	Joback Method
cpg	382.50	J/mol×K	517.38	Joback Method
cpg	401.19	J/mol×K	552.38	Joback Method
cpg	418.58	J/mol×K	587.37	Joback Method
cpg	434.87	J/mol×K	622.36	Joback Method
cpg	450.26	J/mol×K	657.36	Joback Method
cpg	464.95	J/mol×K	692.35	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U121606&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U121606&amp;Units=SI</a>
<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>

# 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>ripl:</b>	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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