

# Hasmigone

<b>Inchi:</b>	InChI=1S/C11H18O/c1-2-3-4-5-7-10-8-6-9-11(10)12/h3-4,10H,2,5-9H2,1H3/b4-3+
<b>InchiKey:</b>	RCJIQNYPBKOVOC-ONEGZZNKSA-N
<b>Formula:</b>	C11H18O
<b>SMILES:</b>	CCC=CCCC1CCCC1=O
<b>Mol. weight [g/mol]:</b>	166.26

## Physical Properties

Property code	Value	Unit	Source
gf	35.92	kJ/mol	Joback Method
hf	-230.37	kJ/mol	Joback Method
hfus	17.89	kJ/mol	Joback Method
hvap	44.54	kJ/mol	Joback Method
log10ws	-3.21		Crippen Method
logp	3.102		Crippen Method
mcvol	152.260	ml/mol	McGowan Method
pc	2482.59	kPa	Joback Method
rinqol	1681.00		NIST Webbook
tb	538.34	K	Joback Method
tc	750.41	K	Joback Method
tf	287.77	K	Joback Method
vc	0.580	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	367.92	J/mol×K	538.34	Joback Method
cpg	386.18	J/mol×K	573.69	Joback Method
cpg	403.49	J/mol×K	609.03	Joback Method
cpg	419.87	J/mol×K	644.38	Joback Method
cpg	435.35	J/mol×K	679.72	Joback Method
cpg	449.95	J/mol×K	715.07	Joback Method
cpg	463.70	J/mol×K	750.41	Joback Method

# Sources

<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=R617802&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R617802&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>
<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>

# 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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