

# exo-Tricyclo[6,2,1,0(2,6)]decan-8-«alpha»-ol

<b>Inchi:</b>	InChI=1S/C10H16O/c11-10-5-6-4-9(10)8-3-1-2-7(6)8/h6-11H,1-5H2/t6?,7-,8-,9?,10-/m0/s
<b>InchiKey:</b>	FKZJBAXKHJIQDU-KNJCMARUSA-N
<b>Formula:</b>	C10H16O
<b>SMILES:</b>	OC1CC2CC1C1CCCC21
<b>Mol. weight [g/mol]:</b>	152.23

## Physical Properties

Property code	Value	Unit	Source
gf	51.23	kJ/mol	Joback Method
hf	-230.40	kJ/mol	Joback Method
hfus	20.19	kJ/mol	Joback Method
hvap	53.83	kJ/mol	Joback Method
log10ws	-2.10		Crippen Method
logp	1.803		Crippen Method
mcvol	125.050	ml/mol	McGowan Method
pc	3314.37	kPa	Joback Method
rinpol	1296.00		NIST Webbook
rinpol	1296.00		NIST Webbook
ripol	1937.00		NIST Webbook
tb	535.53	K	Joback Method
tc	735.26	K	Joback Method
tf	305.10	K	Joback Method
vc	0.475	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	341.31	J/mol×K	535.53	Joback Method
cpg	358.46	J/mol×K	568.82	Joback Method
cpg	374.51	J/mol×K	602.11	Joback Method
cpg	389.55	J/mol×K	635.39	Joback Method
cpg	403.64	J/mol×K	668.68	Joback Method
cpg	416.86	J/mol×K	701.97	Joback Method
cpg	429.29	J/mol×K	735.26	Joback Method

dvisc	0.0053793	Paxs	305.10	Joback Method
dvisc	0.0035397	Paxs	343.50	Joback Method
dvisc	0.0025337	Paxs	381.91	Joback Method
dvisc	0.0019279	Paxs	420.31	Joback Method
dvisc	0.0015356	Paxs	458.72	Joback Method
dvisc	0.0012669	Paxs	497.12	Joback Method
dvisc	0.0010745	Paxs	535.53	Joback Method

## Sources

<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=R386375&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R386375&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>

## 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>mvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</b>	Non-polar retention indices
<b>ripol:</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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