

# endo-Tricyclo[6,2,1,0(2,6)]dec-4-en-8-«beta»-ol

<b>Inchi:</b>	InChI=1S/C10H14O/c11-10-5-6-4-9(10)8-3-1-2-7(6)8/h1,3,6-11H,2,4-5H2/t6?,7-,8-,9?,10
<b>InchiKey:</b>	LDUKQFUHJZHLRC-YENDLIOYSA-N
<b>Formula:</b>	C10H14O
<b>SMILES:</b>	OC1CC2CC1C1C=CCC21
<b>Mol. weight [g/mol]:</b>	150.22

## Physical Properties

Property code	Value	Unit	Source
gf	81.19	kJ/mol	Joback Method
hf	-172.62	kJ/mol	Joback Method
hfus	21.41	kJ/mol	Joback Method
hvap	54.12	kJ/mol	Joback Method
log10ws	-1.95		Crippen Method
logp	1.579		Crippen Method
mcvol	120.750	ml/mol	McGowan Method
pc	3456.14	kPa	Joback Method
ripol	1293.00		NIST Webbook
ripol	1965.00		NIST Webbook
ripol	1965.00		NIST Webbook
tb	534.69	K	Joback Method
tc	736.28	K	Joback Method
tf	305.86	K	Joback Method
vc	0.462	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	322.98	J/molxK	534.69	Joback Method
cpg	339.03	J/molxK	568.29	Joback Method
cpg	354.01	J/molxK	601.89	Joback Method
cpg	368.00	J/molxK	635.48	Joback Method
cpg	381.07	J/molxK	669.08	Joback Method
cpg	393.31	J/molxK	702.68	Joback Method
cpg	404.78	J/molxK	736.28	Joback Method

dvisc	0.0046592	Paxs	305.86	Joback Method
dvisc	0.0031885	Paxs	344.00	Joback Method
dvisc	0.0023537	Paxs	382.14	Joback Method
dvisc	0.0018359	Paxs	420.28	Joback Method
dvisc	0.0014924	Paxs	458.41	Joback Method
dvisc	0.0012524	Paxs	496.55	Joback Method
dvisc	0.0010776	Paxs	534.69	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=R386197&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R386197&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>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>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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