

# p-Menth-1-en-3,8-diol, trans

<b>Inchi:</b>	InChI=1S/C10H18O2/c1-7-4-5-8(9(11)6-7)10(2,3)12/h6,8-9,11-12H,4-5H2,1-3H3/t8-,9-/m
<b>InchiKey:</b>	MUTBSGZZTDPVPZ-IUCAKERBSA-N
<b>Formula:</b>	C10H18O2
<b>SMILES:</b>	CC1=CC(O)C(C(C)(C)O)CC1
<b>Mol. weight [g/mol]:</b>	170.25

## Physical Properties

Property code	Value	Unit	Source
gf	-200.41	kJ/mol	Joback Method
hf	-482.65	kJ/mol	Joback Method
hfus	16.16	kJ/mol	Joback Method
hvap	70.99	kJ/mol	Joback Method
log10ws	-2.27		Crippen Method
logp	1.475		Crippen Method
mcvol	148.340	ml/mol	McGowan Method
pc	3149.09	kPa	Joback Method
rinpol	1340.00		NIST Webbook
rinpol	1340.00		NIST Webbook
tb	628.35	K	Joback Method
tc	816.99	K	Joback Method
tf	342.94	K	Joback Method
vc	0.540	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	414.80	J/molxK	628.35	Joback Method
cpg	428.23	J/molxK	659.79	Joback Method
cpg	440.89	J/molxK	691.23	Joback Method
cpg	452.84	J/molxK	722.67	Joback Method
cpg	464.09	J/molxK	754.11	Joback Method
cpg	474.67	J/molxK	785.55	Joback Method
cpg	484.62	J/molxK	816.99	Joback Method
dvisc	0.0132934	Paxs	342.94	Joback Method

dvisc	0.0025385	Paxs	390.51	Joback Method
dvisc	0.0006945	Paxs	438.08	Joback Method
dvisc	0.0002449	Paxs	485.64	Joback Method
dvisc	0.0001040	Paxs	533.21	Joback Method
dvisc	0.0000508	Paxs	580.78	Joback Method
dvisc	0.0000277	Paxs	628.35	Joback Method

## Sources

<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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R31832&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R31832&amp;Units=SI</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>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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