cis-p-Mentha-2,8-dien-1-ol

Other names:	cis-p-Menth-2,8-dien-1-ol
	p-Mentha-2,8-dien-1-ol
	p-mentha-cis-2,8-dien-1-ol
	cis-p-Mentha-2,8-diene 1-ol
	(Z)-p-2,8-Menthadien-1-ol
	p-mentha-2,8-diene-1-ol
	cis-2,8-p-menthadien-1-ol
	Mentha-2,8-dien-1-ol, cis-para
	cis-2,8-Menthadien-1-ol
	cis-Mentha-2,8-dien-1-ol
	p-Menth-2,8-dien-1-ol
	2-Cyclohexen-1-ol, 1-methyl-4-(1-methylethenyl), cis
	(Z)-p-menth-2,8-dien-1-ol
	menthadien-1-ol, (Z)-p-2,8
Inchi:	InChI=1S/C10H16O/c1-8(2)9-4-6-10(3,11)7-5-9/h4,6,9,11H,1,5,7H2,2-3H3/t9-,10+/m1/s1
InchiKey:	MKPMHJQMNACGDI-ZJUUUORDSA-N
Formula:	C10H16O
SMILES:	C=C(C)C1C=CC(C)(O)CC1
Mol. weight [g/mol]:	152.23
CAS:	22771-44-4

Physical Properties

Property code	Value	Unit	Source
gf	17.00	kJ/mol	Joback Method
hf	-179.32	kJ/mol	Joback Method
hfus	10.98	kJ/mol	Joback Method
hvap	53.20	kJ/mol	Joback Method
log10ws	-2.74		Crippen Method
logp	2.280		Crippen Method
mcvol	138.170	ml/mol	McGowan Method
pc	3135.00	kPa	Joback Method
rinpol	1117.00		NIST Webbook
rinpol	1136.00		NIST Webbook
rinpol	1134.00		NIST Webbook
rinpol	1123.00		NIST Webbook
rinpol	1109.00		NIST Webbook
rinpol	1114.00		NIST Webbook

rinpol	1137.00	NIST Webbook
rinpol	1117.00	NIST Webbook
rinpol	1117.00	NIST Webbook
rinpol	1126.00	NIST Webbook
rinpol	1122.00	NIST Webbook
rinpol	1119.00	NIST Webbook
rinpol	1128.00	NIST Webbook
rinpol	1149.00	NIST Webbook
rinpol	1120.00	NIST Webbook
rinpol	1138.00	NIST Webbook
rinpol	1124.00	NIST Webbook
rinpol	1127.00	NIST Webbook
rinpol	1130.00	NIST Webbook
rinpol	1125.00	NIST Webbook
rinpol	1123.00	NIST Webbook
rinpol	1138.00	NIST Webbook
rinpol	1116.00	NIST Webbook
rinpol	1118.00	NIST Webbook
rinpol	1115.00	NIST Webbook
rinpol	1121.00	NIST Webbook
rinpol	1120.00	NIST Webbook
rinpol	1120.00	NIST Webbook
rinpol	1136.00	NIST Webbook
rinpol	1123.00	NIST Webbook
rinpol	1121.00	NIST Webbook
rinpol	1115.00	NIST Webbook
rinpol	1120.00	NIST Webbook
rinpol	1134.00	NIST Webbook
rinpol	1134.00	NIST Webbook
rinpol	1141.00	NIST Webbook
rinpol	1138.00	NIST Webbook
rinpol	1123.00	NIST Webbook
rinpol	1122.00	NIST Webbook
ripol	1620.00	NIST Webbook
ripol	1638.00	NIST Webbook
ripol	1666.00	NIST Webbook
ripol	1678.00	NIST Webbook
ripol	1678.00	NIST Webbook
ripol	1678.00	NIST Webbook
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ripol	1678.00	NIST Webbook
ripol	1639.00	NIST Webbook

ripol	1639.00		NIST Webbook
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ripol	1639.00		NIST Webbook
ripol	1678.00		NIST Webbook
ripol	1657.00		NIST Webbook
ripol	1660.00		NIST Webbook
ripol	1663.00		NIST Webbook
ripol	1642.00		NIST Webbook
ripol	1656.00		NIST Webbook
tb	531.22	K	Joback Method
tc	733.58	K	Joback Method
tf	275.36	K	Joback Method
vc	0.512	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	331.31	J/mol×K	531.22	Joback Method
cpg	346.46	J/mol×K	564.95	Joback Method
cpg	360.68	J/mol×K	598.67	Joback Method
cpg	374.06	J/mol×K	632.40	Joback Method
cpg	386.71	J/mol×K	666.13	Joback Method
cpg	398.72	J/mol×K	699.85	Joback Method
cpg	410.18	J/mol×K	733.58	Joback Method

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Joback Method: https://en.wikipedia.org/wiki/Joback_method

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C22771444&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

cpg:	Ideal gas heat capacity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
rinpol:	Non-polar retention indices
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume