3-Cyclohexen-1-ol, 1-methyl-4-(1-methylethyl)-

Other names:	p-Menth-3-en-1-ol
	1-Terpinenol
	3-Terpinen-1-ol
	1-Terpineol
	Terpin-1-ol
	Terpin-3-en-1-ol
	Terpinen-1-ol
	Terpineol-1
	1-Methyl-4-isopropyl-3-cyclohexen-1-ol
	4-(isopropyl)-1-methylcyclohex-3-en-1-ol
Inchi:	InChI=1S/C10H18O/c1-8(2)9-4-6-10(3,11)7-5-9/h4,8,11H,5-7H2,1-3H3
InchiKey:	XJWZDXFFNOMMTD-UHFFFAOYSA-N
Formula:	C10H18O
SMILES:	CC(C)C1=CCC(C)(O)CC1
Mol. weight [g/mol]:	154.25
CAS:	586-82-3

Physical Properties

Property code	Value	Unit	Source
gf	-66.65	kJ/mol	Joback Method
hf	-291.37	kJ/mol	Joback Method
hfus	8.59	kJ/mol	Joback Method
hvap	54.38	kJ/mol	Joback Method
log10ws	-2.89		Crippen Method
logp	2.504		Crippen Method
mcvol	142.470	ml/mol	McGowan Method
pc	3062.55	kPa	Joback Method
rinpol	1133.00		NIST Webbook
rinpol	1147.00		NIST Webbook
rinpol	1139.00		NIST Webbook
rinpol	1138.00		NIST Webbook
rinpol	1139.00		NIST Webbook
rinpol	1136.00		NIST Webbook
rinpol	1133.00		NIST Webbook
rinpol	1145.00		NIST Webbook
rinpol	1141.00		NIST Webbook
rinpol	1147.00		NIST Webbook

rinpol	1146.00	NIST Webbook
rinpol	1141.40	NIST Webbook
rinpol	1134.00	NIST Webbook
rinpol	1131.00	NIST Webbook
rinpol	1120.00	NIST Webbook
rinpol	1147.00	NIST Webbook
rinpol	1134.00	NIST Webbook
rinpol	1137.00	NIST Webbook
rinpol	1135.00	NIST Webbook
rinpol	1134.00	NIST Webbook
rinpol	1120.00	NIST Webbook
rinpol	1133.00	NIST Webbook
rinpol	1134.00	NIST Webbook
rinpol	1138.00	NIST Webbook
rinpol	1131.00	NIST Webbook
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rinpol	1139.00	NIST Webbook
rinpol	1130.00	NIST Webbook
rinpol	1136.00	NIST Webbook
rinpol	1120.00	NIST Webbook
rinpol	1134.00	NIST Webbook
rinpol	1141.40	NIST Webbook
rinpol	1142.00	NIST Webbook
rinpol	1162.00	NIST Webbook
rinpol	1167.00	NIST Webbook
rinpol	1099.00	NIST Webbook
rinpol	1136.00	NIST Webbook
rinpol	1141.00	NIST Webbook
rinpol	1134.00	NIST Webbook
rinpol	1141.00	NIST Webbook
rinpol	1096.00	NIST Webbook
rinpol	1140.00	NIST Webbook
rinpol	1134.00	NIST Webbook
rinpol	1127.00	NIST Webbook
rinpol	1140.00	NIST Webbook
rinpol	1142.00	NIST Webbook
rinpol	1130.00	NIST Webbook
rinpol	1147.00	NIST Webbook
ripol	1589.00	NIST Webbook
ripol	1628.00	NIST Webbook

ripol	1562.00		NIST Webbook
ripol	1576.00		NIST Webbook
ripol	1576.00		NIST Webbook
ripol	1562.00		NIST Webbook
ripol	1576.00		NIST Webbook
ripol	1628.00		NIST Webbook
ripol	1582.00		NIST Webbook
ripol	1565.00		NIST Webbook
ripol	1586.00		NIST Webbook
ripol	1562.00		NIST Webbook
ripol	1571.00		NIST Webbook
ripol	1586.00		NIST Webbook
ripol	1621.00		NIST Webbook
tb	543.87	K	Joback Method
tc	744.05	K	Joback Method
tf	292.84	K	Joback Method
vc	0.525	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	349.99	J/mol×K	543.87	Joback Method
cpg	365.13	J/mol×K	577.23	Joback Method
cpg	379.41	J/mol×K	610.60	Joback Method
cpg	392.91	J/mol×K	643.96	Joback Method
cpg	405.73	J/mol×K	677.32	Joback Method
cpg	417.96	J/mol×K	710.69	Joback Method
cpg	429.68	J/mol×K	744.05	Joback Method

Sources

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

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=C586823&Units=SI

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

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