cis-Piperitenol

Inchi: InChI=1S/C10H16O/c1-7(2)9-5-4-8(3)6-10(9)11/h6,10-11H,4-5H2,1-3H3
InchiKey: SOKGDOREHWFRJQ-UHFFFAOYSA-N
Formula: C10H16O
SMILES: CC1=CC(O)C(=C(C)C)CC1
Mol. weight [g/mol]: 152.23

Physical Properties

Property code	Value	Unit	Source
gf	-21.81	kJ/mol	Joback Method
hf	-235.09	kJ/mol	Joback Method
hfus	17.43	kJ/mol	Joback Method
hvap	56.78	kJ/mol	Joback Method
log10ws	-2.99		Crippen Method
logp	2.424		Crippen Method
mcvol	138.170	ml/mol	McGowan Method
pc	2999.15	kPa	Joback Method
rinpol	1183.00		NIST Webbook
tb	550.59	K	Joback Method
tc	748.74	K	Joback Method
tf	280.34	K	Joback Method
vc	0.517	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	331.57	J/mol×K	550.59	Joback Method
cpg	345.76	J/mol×K	583.62	Joback Method
cpg	359.22	J/mol×K	616.64	Joback Method
cpg	371.98	J/mol×K	649.67	Joback Method
cpg	384.06	J/mol×K	682.69	Joback Method
cpg	395.50	J/mol×K	715.72	Joback Method
cpg	406.30	J/mol×K	748.74	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R227355&Units=SI
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

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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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