ISOPULEGOL

Other names:	(-)-Isopulegol
	(1R,2S,5R)-5-Methyl-2-(prop-1-en-2-yl)cyclohexanol
	2-Isopropenyl-5-methylcyclohexanol-, (1R-(1alpha,2beta,5alpha))-
	Cyclohexanol, 5-methyl-2-(1-methylethenyl)-, [1R-(1«alpha»,2«beta»,5«alpha»)]-
	L-isopulegol
	p-Menth-8(9)-en-3-ol
	p-Menth-8-en-3-ol, (1R,3R,4S)-(-)-
Inchi:	InChI=1S/C10H18O/c1-7(2)9-5-4-8(3)6-10(9)11/h8-11H,1,4-6H2,2-3H3
InchiKey:	ZYTMANIQRDEHIO-AEJSXWLSSA-N
Formula:	C10H18O
SMILES:	C=C(C)C1CCC(C)CC1O
Mol. weight [g/mol]:	154.25

Physical Properties

Property code	Value	Unit	Source
hf	-263.40	kJ/mol	Cheméo Relay (1.0)
hfus	17.13	kJ/mol	Joback Method
hvap	71.17	kJ/mol	Cheméo Relay (1.0)
ie	8.92	eV	Cheméo Relay (1.0)
logp	2.360		Crippen Method
mcvol	142.470	ml/mol	McGowan Method
tb	495.18	K	Cheméo Relay (1.0)
tc	681.64	K	Cheméo Relay (1.0)
tf	291.95	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	350.71	J/mol×K	527.15	Joback Method
cpg	367.51	J/mol×K	559.26	Joback Method
cpg	383.50	J/mol×K	591.37	Joback Method
cpg	398.69	J/mol×K	623.47	Joback Method
cpg	413.11	J/mol×K	655.58	Joback Method
cpg	426.76	J/mol×K	687.69	Joback Method

cpg	439.67	J/mol×K	719.80	Joback Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?Str2File=C50373369
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

cpg:	Ideal gas heat capacity
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point

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