«alpha»-Campholene alcohol

Inchi: InChI=1S/C10H16O/c1-8-4-5-9(6-7-11)10(8,2)3/h4,7,9H,5-6H2,1-3H3
InchiKey: OGCGGWYLHSJRFY-UHFFFAOYSA-N
Formula: C10H16O
SMILES: CC1=CCC(CC=O)C1(C)C
Mol. weight [g/mol]: 152.23

Physical Properties

Property code	Value	Unit	Source
hfus	13.49	kJ/mol	Joback Method
logp	2.568		Crippen Method
mcvol	138.170	ml/mol	McGowan Method
ripol	1793.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	313.66	J/mol×K	491.85	Joback Method
cpg	329.44	J/mol×K	526.17	Joback Method
cpg	344.24	J/mol×K	560.48	Joback Method
cpg	358.15	J/mol×K	594.80	Joback Method
cpg	371.28	J/mol×K	629.11	Joback Method
cpg	383.72	J/mol×K	663.43	Joback Method
cpg	395.56	J/mol×K	697.74	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
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?ID=R616532&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
ripol:	Polar retention indices