Dihydroachillene

Inchi: InChI=1S/C10H18/c1-6-10(9(4)5)7-8(2)3/h6-7,9-10H,1H2,2-5H3
InchiKey: CWIJGKHBWNYFOO-UHFFFAOYSA-N
Formula: C10H18
SMILES: C=CC(C=C(C)C)C(C)C
Mol. weight [g/mol]: 138.25

Physical Properties

Property code	Value	Unit	Source
hfus	12.22	kJ/mol	Joback Method
hvap	46.27	kJ/mol	Cheméo Relay (1.0)
logp	3.411		Crippen Method
mcvol	143.160	ml/mol	McGowan Method
tf	195.08	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	284.02	J/mol×K	428.04	Joback Method
cpg	299.58	J/mol×K	458.89	Joback Method
cpg	314.37	J/mol×K	489.74	Joback Method
cpg	328.45	J/mol×K	520.58	Joback Method
cpg	341.83	J/mol×K	551.43	Joback Method
cpg	354.54	J/mol×K	582.28	Joback Method
cpg	366.62	J/mol×K	613.13	Joback Method

Sources

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
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=R616681&Units=SI

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tf:	Normal melting (fusion) point