5,6-DIHYDRO-2-ISOPROPENYL-4,4,6-TRIMETHYL

Other names: 4H-1,3-Oxazine, 5,6-dihydro-4,4,6-trimethyl-2-(1-methylethenyl)-
5,6-dihydro-4,4,6-trimethyl-2-(1-methylvinyl)-4H-1,3-oxazine
Inchi: InChI=1S/C10H17NO/c1-7(2)9-11-10(4,5)6-8(3)12-9/h8H,1,6H2,2-5H3
InchiKey: NXCYOVQRBLCDPD-UHFFFAOYSA-N
Formula: C10H17NO
SMILES: C=C(C)C1=NC(C)(C)CC(C)O1
Mol. weight [g/mol]: 167.25

Physical Properties

Property code	Value	Unit	Source
hfus	19.62	kJ/mol	Joback Method
logp	2.548		Crippen Method
mcvol	148.150	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	364.75	J/mol×K	524.67	Joback Method
cpg	383.64	J/mol×K	562.43	Joback Method
cpg	401.39	J/mol×K	600.19	Joback Method
cpg	418.09	J/mol×K	637.96	Joback Method
cpg	433.86	J/mol×K	675.72	Joback Method
cpg	448.79	J/mol×K	713.48	Joback Method
cpg	462.98	J/mol×K	751.24	Joback Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	352.20	K	2.70	NIST Webbook

Sources

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=C39575650&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tbrp:	Boiling point at reduced pressure