1-(2-propenyl)-trans-2-pentyl-cyclopropane

Inchi: InChI=1S/C11H20/c1-3-5-6-8-11-9-10(11)7-4-2/h4,10-11H,2-3,5-9H2,1H3/t10-,11-/m1/s1
InchiKey: FVVIAJURMZEGKS-GHMZBOCLSA-N
Formula: C11H20
SMILES: C=CCC1CC1CCCCC
Mol. weight [g/mol]: 152.28

Physical Properties

Property code	Value	Unit	Source
gf	182.62	kJ/mol	Joback Method
hf	-92.48	kJ/mol	Joback Method
hfus	22.17	kJ/mol	Joback Method
hvap	39.01	kJ/mol	Joback Method
log10ws	-3.69		Crippen Method
logp	3.779		Crippen Method
mcvol	150.690	ml/mol	McGowan Method
pc	2193.84	kPa	Joback Method
rinpol	1039.70		NIST Webbook
rinpol	1038.00		NIST Webbook
tb	449.83	K	Joback Method
tc	627.04	K	Joback Method
tf	225.67	K	Joback Method
vc	0.589	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	329.05	J/mol×K	449.83	Joback Method
cpg	406.91	J/mol×K	597.50	Joback Method
cpg	392.82	J/mol×K	567.97	Joback Method
cpg	378.03	J/mol×K	538.43	Joback Method
cpg	362.49	J/mol×K	508.90	Joback Method
cpg	346.17	J/mol×K	479.36	Joback Method
cpg	420.32	J/mol×K	627.04	Joback Method
dvisc	0.0004029	Pa×s	449.83	Joback Method

dvisc	0.0004472	Pa×s	412.47	Joback Method
dvisc	0.0005067	Pa×s	375.11	Joback Method
dvisc	0.0005902	Pa×s	337.75	Joback Method
dvisc	0.0007141	Pa×s	300.39	Joback Method
dvisc	0.0009121	Pa×s	263.03	Joback Method
dvisc	0.0012633	Pa×s	225.67	Joback Method

Sources

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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R137049&Units=SI

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
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