(E)-2-BUTENYLCYCLOPROPANE

Other names: (2E)-2-Butenylcyclopropane
trans-2-Butenyl-cyclopropane
Inchi: InChI=1S/C7H12/c1-2-3-4-7-5-6-7/h2-3,7H,4-6H2,1H3/b3-2+
InchiKey: HFWBELFXCMGIGS-NSCUHMNNSA-N
Formula: C7H12
SMILES: C/C=C/CC1CC1
Mol. weight [g/mol]: 96.17

Physical Properties

Property code	Value	Unit	Source
hfus	12.22	kJ/mol	Joback Method
logp	2.363		Crippen Method
mcvol	94.330	ml/mol	McGowan Method
rinpol	715.40		NIST Webbook
rinpol	715.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	163.59	J/mol×K	370.46	Joback Method
cpg	176.97	J/mol×K	401.77	Joback Method
cpg	189.56	J/mol×K	433.08	Joback Method
cpg	201.42	J/mol×K	464.39	Joback Method
cpg	212.58	J/mol×K	495.70	Joback Method
cpg	223.08	J/mol×K	527.00	Joback Method
cpg	232.96	J/mol×K	558.31	Joback Method
dvisc	0.0008992	Pa×s	181.51	Joback Method
dvisc	0.0006335	Pa×s	213.00	Joback Method
dvisc	0.0004884	Pa×s	244.49	Joback Method
dvisc	0.0003996	Pa×s	275.99	Joback Method
dvisc	0.0003407	Pa×s	307.48	Joback Method
dvisc	0.0002992	Pa×s	338.97	Joback Method
dvisc	0.0002686	Pa×s	370.46	Joback Method

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=C76588982&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
dvisc:	Dynamic viscosity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices