

CYCLOHEXANE, 1-BUTENYLIDENE-

Other names:	1-butenylidene-cyclohexane
Inchi:	InChI=1S/C10H16/c1-2-3-7-10-8-5-4-6-9-10/h3H,2,4-6,8-9H2,1H3
InchiKey:	MGPIPVFMXURLAG-UHFFFAOYSA-N
Formula:	C10H16
SMILES:	CCC=C=C1CCCCC1
Mol. weight [g/mol]:	136.24

Physical Properties

Property code	Value	Unit	Source
hfus	14.87	kJ/mol	Joback Method
logp	3.442		Crippen Method
mcpvol	132.300	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	273.78	J/mol×K	462.33	Joback Method
cpg	291.23	J/mol×K	498.57	Joback Method
cpg	307.77	J/mol×K	534.81	Joback Method
cpg	323.43	J/mol×K	571.05	Joback Method
cpg	338.24	J/mol×K	607.29	Joback Method
cpg	352.22	J/mol×K	643.53	Joback Method
cpg	365.40	J/mol×K	679.77	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=C36144408&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

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