3-METHYLENE-CYCLOHEXENE

Other names: Cyclohexene, 3-methylene-
1-Methylene-2-cyclohexene
Inchi: InChI=1S/C7H10/c1-7-5-3-2-4-6-7/h3,5H,1-2,4,6H2
InchiKey: XVKFDCVTYBMNRZ-UHFFFAOYSA-N
Formula: C7H10
SMILES: C=C1C=CCCC1
Mol. weight [g/mol]: 94.16

Physical Properties

Property code	Value	Unit	Source
hf	94.63	kJ/mol	Cheméo Relay (1.0)
hfus	4.71	kJ/mol	Joback Method
hvap	35.94	kJ/mol	Cheméo Relay (1.0)
ie	8.48	eV	Cheméo Relay (1.0)
logp	2.283		Crippen Method
mcvol	90.030	ml/mol	McGowan Method
pc	3920.94	kPa	Joback Method
tb	382.00 ± 3.00	K	NIST Webbook
tc	585.74	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	149.14	J/mol×K	382.10	Joback Method
cpg	162.07	J/mol×K	416.65	Joback Method
cpg	174.34	J/mol×K	451.20	Joback Method
cpg	185.95	J/mol×K	485.75	Joback Method
cpg	196.93	J/mol×K	520.29	Joback Method
cpg	207.30	J/mol×K	554.84	Joback Method
cpg	217.08	J/mol×K	589.39	Joback Method
dvisc	0.0042247	Pa×s	194.71	Joback Method
dvisc	0.0019440	Pa×s	225.94	Joback Method
dvisc	0.0010801	Pa×s	257.17	Joback Method
dvisc	0.0006816	Pa×s	288.41	Joback Method

dvisc	0.0004706	Pa×s	319.64	Joback Method
dvisc	0.0003471	Pa×s	350.87	Joback Method
dvisc	0.0002690	Pa×s	382.10	Joback Method

Sources

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C1888900&Units=SI

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

Legend

cpg: Ideal gas heat capacity
dvisc: Dynamic viscosity
hf: Enthalpy of formation at standard conditions
hfus: Enthalpy of fusion at standard conditions
hvap: Enthalpy of vaporization at standard conditions
ie: Ionization energy
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
pc: Critical Pressure
tb: Normal Boiling Point Temperature
tc: Critical Temperature

Latest version available from:
https://www.chemeo.com/cid/53-647-5/3-METHYLENE-CYCLOHEXENE.pdf
Generated by Cheméo on 2026-07-21 08:41:11.262759319 +0000 UTC m=+134367.104644689.
Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.