

Cyclohexane,1-chloro-1-nitroso-

Inchi: InChI=1S/C6H10ClNO/c7-6(8-9)4-2-1-3-5-6/h1-5H2
InchiKey: NJGFNBVUIGJGOK-UHFFFAOYSA-N
Formula: C6H10ClNO
SMILES: O=NC1(Cl)CCCCC1
Mol. weight [g/mol]: 147.60
CAS: 695-64-7

Physical Properties

Property code	Value	Unit	Source
hf	-281.54	kJ/mol	Joback Method
hvap	41.71	kJ/mol	Joback Method
ie	9.28	eV	NIST Webbook
log10ws	-3.18		Crippen Method
logp	2.652		Crippen Method
mvol	108.330	ml/mol	McGowan Method
pc	3911.14	kPa	Joback Method
tb	457.30	K	Joback Method
tc	678.56	K	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=C695647&Units=SI>

Legend

hf: Enthalpy of formation at standard conditions
hvap: Enthalpy of vaporization at standard conditions

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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