2-(1-CYCLOHEXENYL)ETHYLAMINE

Other names:	1-Cyclohexene-1-ethanamine
	«beta»-(1-Cyclohexenyl)ethylamine
	Cyclohexenylethylamine
	1-Cyclohexen-1-ylethylamine
	2-(1-Cyclohexen-1-yl)ethylamine
	cyclohex-1-ene-1-ethylamine
Inchi:	InChI=1S/C8H15N/c9-7-6-8-4-2-1-3-5-8/h4H,1-3,5-7,9H2
InchiKey:	IUDMXOOVKMKODN-UHFFFAOYSA-N
Formula:	C8H15N
SMILES:	NCCC1=CCCCC1
Mol. weight [g/mol]:	125.21

Physical Properties

Property code	Value	Unit	Source
hf	-26.33	kJ/mol	Cheméo Relay (1.0)
hfus	13.27	kJ/mol	Joback Method
hvap	54.05	kJ/mol	Cheméo Relay (1.0)
ie	8.45	eV	Cheméo Relay (1.0)
logp	1.836		Crippen Method
mcvol	118.400	ml/mol	McGowan Method
tb	464.06	K	Cheméo Relay (1.0)
tf	235.10	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	260.91	J/mol×K	483.33	Joback Method
cpg	276.58	J/mol×K	519.74	Joback Method
cpg	291.36	J/mol×K	556.15	Joback Method
cpg	305.28	J/mol×K	592.56	Joback Method
cpg	318.37	J/mol×K	628.97	Joback Method
cpg	330.66	J/mol×K	665.38	Joback Method
cpg	342.20	J/mol×K	701.79	Joback Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	326.70	K	0.40	NIST Webbook

Sources

Cheméo Relay (1.0, beta):

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C3399733&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

Cheméo Relay (1.0):

Legend

cpg: Ideal gas heat capacity
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
tb: Normal Boiling Point Temperature
tbrp: Boiling point at reduced pressure
tf: Normal melting (fusion) point