N,N,O-TRIMETHYL-HYDROXYLAMINE

Other names: Trimethylhydroxylamine
N,N-Dimethylmethoxylamine
N,N,O-Trimethyl-hydroxylamine
Inchi: InChI=1S/C3H9NO/c1-4(2)5-3/h1-3H3
InchiKey: QVDVENIYNXDSOK-UHFFFAOYSA-N
Formula: C3H9NO
SMILES: CON(C)C
Mol. weight [g/mol]: 75.11

Physical Properties

Property code	Value	Unit	Source
hfus	7.74	kJ/mol	Joback Method
ie	8.78	eV	NIST Webbook
logp	0.109		Crippen Method
mcvol	68.980	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	108.11	J/mol×K	302.90	Joback Method
cpg	115.20	J/mol×K	329.90	Joback Method
cpg	122.09	J/mol×K	356.89	Joback Method
cpg	128.79	J/mol×K	383.89	Joback Method
cpg	135.29	J/mol×K	410.89	Joback Method
cpg	141.60	J/mol×K	437.88	Joback Method
cpg	147.72	J/mol×K	464.88	Joback Method
hvapt	28.00	kJ/mol	245.50	NIST Webbook

Sources

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C5669396&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
hfus:	Enthalpy of fusion at standard conditions
hvapt:	Enthalpy of vaporization at a given temperature
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume