4,4-DIMETHYL-2-OXAZOLINE

Other names:	4,4-Dimethyloxazoline
	Oxazole, 4,5-dihydro-4,4-dimethyl-
	4,4-Dimethyl-4,5-dihydro-1,3-oxazole
	4,5-Dihydro-4,4-dimethyloxazole
Inchi:	InChI=1S/C5H9NO/c1-5(2)3-7-4-6-5/h4H,3H2,1-2H3
InchiKey:	KOAMXHRRVFDWRQ-UHFFFAOYSA-N
Formula:	C5H9NO
SMILES:	CC1(C)COC=N1
Mol. weight [g/mol]:	99.13

Physical Properties

Property code	Value	Unit	Source
hfus	10.68	kJ/mol	Joback Method
logp	0.824		Crippen Method
mcvol	82.000	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	165.63	J/mol×K	409.13	Joback Method
cpg	179.21	J/mol×K	446.54	Joback Method
cpg	191.73	J/mol×K	483.95	Joback Method
cpg	203.29	J/mol×K	521.36	Joback Method
cpg	214.01	J/mol×K	558.76	Joback Method
cpg	223.96	J/mol×K	596.17	Joback Method
cpg	233.27	J/mol×K	633.58	Joback Method

Sources

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=C30093993&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume