O-Methyl-N-methylcarbamate

Other names:	Carbamic acid, methyl-, methyl ester
	CH3NHC(O)OCH3
	Methyl N-methylcarbamate
	Methyl methylcarbamate
	N-Carbomethoxy-N-methylamine
	N-Carbomethoxymethylamine
Inchi:	InChI=1S/C3H7NO2/c1-4-3(5)6-2/h1-2H3,(H,4,5)
InchiKey:	NYXHSRNBKJIQQG-UHFFFAOYSA-N
Formula:	C3H7NO2
SMILES:	CN=C(O)OC
Mol. weight [g/mol]:	89.09
CAS:	6642-30-4

Physical Properties

Property code	Value	Unit	Source
hf	-317.27	kJ/mol	Joback Method
hvap	44.76	kJ/mol	Joback Method
log10ws	0.36		Crippen Method
logp	0.177		Crippen Method
mcvol	70.550	ml/mol	McGowan Method
pc	4266.28	kPa	Joback Method
rinpol	798.00		NIST Webbook
rinpol	108.40		NIST Webbook
ripol	1400.00		NIST Webbook
tb	459.20	K	Joback Method
tc	646.40	K	Joback Method

Sources

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=C6642304&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
rinpol:	Non-polar retention indices
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature