Carbonic acid, monoamide, N-methyl-, menthyl ester

Inchi: InChI=1S/C12H23NO2/c1-8(2)10-6-5-9(3)7-11(10)15-12(14)13-4/h8-11H,5-7H2,1-4H3,(H

InchiKey: MFECVIRCZJLBCY-UHFFFAOYSA-N

Formula: C12H23NO2

SMILES: CN=C(O)OC1CC(C)CCC1C(C)C

Mol. weight [g/mol]: 213.32

Physical Properties

Property code	Value	Unit	Source
hf	-494.67	kJ/mol	Joback Method
hvap	64.21	kJ/mol	Joback Method
log10ws	-2.69		Crippen Method
logp	3.008		Crippen Method
mcvol	186.500	ml/mol	McGowan Method
pc	1978.82	kPa	Joback Method
rinpol	1702.00		NIST Webbook
rinpol	1702.00		NIST Webbook
tb	674.89	K	Joback Method
tc	875.82	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=U415191&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature