Carbonic acid, monoamide, N-hept-2-yl-, menthyl ester

Inchi: InChI=1S/C18H35NO2/c1-6-7-8-9-15(5)19-18(20)21-17-12-14(4)10-11-16(17)13(2)3/h13

InchiKey: BQSZVWLJMZOWLQ-UHFFFAOYSA-N

Formula: C18H35NO2

SMILES: CCCCCC(C)N=C(O)OC1CC(C)CCC1C(C)C

Mol. weight [g/mol]: 297.48

Physical Properties

Property code	Value	Unit	Source
hf	-623.79	kJ/mol	Joback Method
hvap	77.18	kJ/mol	Joback Method
log10ws	-5.32		Crippen Method
logp	5.347		Crippen Method
mcvol	271.040	ml/mol	McGowan Method
pc	1261.06	kPa	Joback Method
rinpol	2112.00		NIST Webbook
rinpol	2112.00		NIST Webbook
tb	811.73	K	Joback Method
tc	1008.43	K	Joback Method

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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=U415198&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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