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

Inchi: InChI=1S/C10H21NO2/c1-3-4-5-6-7-8-9-13-10(12)11-2/h3-9H2,1-2H3,(H,11,12)
InchiKey: VTWAKOXNHJKFRJ-UHFFFAOYSA-N
Formula: C10H21NO2
SMILES: CCCCCCCCOC(O)=NC
Mol. weight [g/mol]: 187.28

Physical Properties

Property code	Value	Unit	Source
hf	-461.75	kJ/mol	Joback Method
hvap	60.34	kJ/mol	Joback Method
log10ws	-2.57		Crippen Method
logp	2.907		Crippen Method
mcvol	169.180	ml/mol	McGowan Method
pc	2060.49	kPa	Joback Method
rinpol	1488.00		NIST Webbook
rinpol	1488.00		NIST Webbook
tb	619.36	K	Joback Method
tc	794.86	K	Joback Method

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
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=U405576&Units=SI

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