Carbonic acid, monoamide, N-isobutyl-, decyl ester

Inchi: InChI=1S/C15H31NO2/c1-4-5-6-7-8-9-10-11-12-18-15(17)16-13-14(2)3/h14H,4-13H2,1-3

InchiKey: IJKCDAHTYLEWNV-UHFFFAOYSA-N

Formula: C15H31NO2

SMILES: CCCCCCCCCCOC(O)=NCC(C)C

Mol. weight [g/mol]: 257.41

Physical Properties

Property code	Value	Unit	Source
hf	-570.23	kJ/mol	Joback Method
hvap	71.08	kJ/mol	Joback Method
log10ws	-4.43		Crippen Method
logp	4.714		Crippen Method
mcvol	239.630	ml/mol	McGowan Method
pc	1397.50	kPa	Joback Method
rinpol	1987.00		NIST Webbook
rinpol	1987.00		NIST Webbook
tb	733.32	K	Joback Method
tc	910.48	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U415175&Units=SI

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

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