Carbonic acid, monoamide, N-2-ethylhexyl-, decyl ester

Inchi: InChI=1S/C19H39NO2/c1-4-7-9-10-11-12-13-14-16-22-19(21)20-17-18(6-3)15-8-5-2/h18
InchiKey: JFTZSIGBMDPSSZ-UHFFFAOYSA-N
Formula: C19H39NO2
SMILES: CCCCCCCCCCOC(O)=NCC(CC)CCCC
Mol. weight [g/mol]: 313.52

Physical Properties

Property code	Value	Unit	Source
hf	-652.79	kJ/mol	Joback Method
hvap	79.98	kJ/mol	Joback Method
log10ws	-6.10		Crippen Method
logp	6.274		Crippen Method
mcvol	295.990	ml/mol	McGowan Method
pc	1068.66	kPa	Joback Method
rinpol	2328.00		NIST Webbook
rinpol	2328.00		NIST Webbook
tb	824.84	K	Joback Method
tc	1011.03	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=U415181&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