Isobutylcarbamate, N-heptyl

Inchi: InChI=1S/C12H25NO2/c1-4-5-6-7-8-9-13-12(14)15-10-11(2)3/h11H,4-10H2,1-3H3,(H,13
InchiKey: XEOBSSBRNKCDGK-UHFFFAOYSA-N
Formula: C12H25NO2
SMILES: CCCCCCCN=C(O)OCC(C)C
Mol. weight [g/mol]: 215.33

Physical Properties

Property code	Value	Unit	Source
hf	-508.31	kJ/mol	Joback Method
hvap	64.40	kJ/mol	Joback Method
log10ws	-3.17		Crippen Method
logp	3.543		Crippen Method
mcvol	197.360	ml/mol	McGowan Method
pc	1755.07	kPa	Joback Method
rinpol	1580.00		NIST Webbook
rinpol	1580.00		NIST Webbook
tb	664.68	K	Joback Method
tc	841.25	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R392593&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