N-Isobutyl-(6Z,8E)-decadienamide

Inchi: InChI=1S/C14H25NO/c1-4-5-6-7-8-9-10-11-14(16)15-12-13(2)3/h4-7,13H,8-12H2,1-3H3,
InchiKey: RUZPYFCFWHFTJY-DEQVHDEQSA-N
Formula: C14H25NO
SMILES: CC=CC=CCCCCC(O)=NCC(C)C
Mol. weight [g/mol]: 223.35
CAS: 94450-20-1

Physical Properties

Property code	Value	Unit	Source
hf	-182.93	kJ/mol	Joback Method
hvap	66.36	kJ/mol	Joback Method
log10ws	-4.13		Crippen Method
logp	4.292		Crippen Method
mcvol	211.070	ml/mol	McGowan Method
pc	1655.15	kPa	Joback Method
rinpol	1781.00		NIST Webbook
rinpol	1781.00		NIST Webbook
tb	696.34	K	Joback Method
tc	882.43	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C94450201&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