(2E,4E)-N-Isobutyldeca-2,4-dienamide

Inchi: InChI=1S/C14H25NO/c1-4-5-6-7-8-9-10-11-14(16)15-12-13(2)3/h8-11,13H,4-7,12H2,1-3
InchiKey: MAGQQZHFHJDIRE-BNFZFUHLSA-N
Formula: C14H25NO
SMILES: CCCCCC=CC=CC(O)=NCC(C)C
Mol. weight [g/mol]: 223.35
CAS: 18836-52-7

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	1938.00		NIST Webbook
rinpol	1942.70		NIST Webbook
rinpol	1938.00		NIST Webbook
rinpol	1931.00		NIST Webbook
rinpol	1931.00		NIST Webbook
rinpol	1942.70		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=C18836527&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