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

Inchi: InChI=1S/C15H27NO/c1-4-5-6-7-8-9-10-11-12-15(17)16-13-14(2)3/h9-12,14H,4-8,13H2,
InchiKey: FORAWDNTGHQWDT-HULFFUFUSA-N
Formula: C15H27NO
SMILES: CCCCCCC=CC=CC(O)=NCC(C)C
Mol. weight [g/mol]: 237.38
CAS: 74267-82-6

Physical Properties

Property code	Value	Unit	Source
hf	-203.57	kJ/mol	Joback Method
hvap	68.59	kJ/mol	Joback Method
log10ws	-4.55		Crippen Method
logp	4.682		Crippen Method
mcvol	225.160	ml/mol	McGowan Method
pc	1533.06	kPa	Joback Method
tb	719.22	K	Joback Method
tc	904.62	K	Joback Method

Sources

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=C74267826&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature