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: C/C=C/C=C\CCCCC(=O)NCC(C)C
Mol. weight [g/mol]: 223.36

Physical Properties

Property code	Value	Unit	Source
hfus	35.59	kJ/mol	Joback Method
logp	3.451		Crippen Method
mcvol	211.070	ml/mol	McGowan Method
rinpol	1781.00		NIST Webbook
rinpol	1781.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	557.08	J/mol×K	631.64	Joback Method
cpg	573.47	J/mol×K	662.62	Joback Method
cpg	589.01	J/mol×K	693.60	Joback Method
cpg	603.76	J/mol×K	724.58	Joback Method
cpg	617.75	J/mol×K	755.57	Joback Method
cpg	631.03	J/mol×K	786.55	Joback Method
cpg	643.65	J/mol×K	817.53	Joback Method

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C94450201&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices

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