Propanamide, n-decyl-n-methyl-2-chloro-

Inchi: InChI=1S/C14H28ClNO/c1-4-5-6-7-8-9-10-11-12-16(3)14(17)13(2)15/h13H,4-12H2,1-3H
InchiKey: LJUWACZMRIHSHY-UHFFFAOYSA-N
Formula: C14H28ClNO
SMILES: CCCCCCCCCCN(C)C(=O)C(C)Cl
Mol. weight [g/mol]: 261.84

Physical Properties

Property code	Value	Unit	Source
hf	-496.47	kJ/mol	Cheméo Relay (1.0)
hfus	37.31	kJ/mol	Joback Method
hvap	78.99	kJ/mol	Cheméo Relay (1.0)
logp	4.213		Crippen Method
mcvol	231.910	ml/mol	McGowan Method
rinpol	1879.00		NIST Webbook
tb	554.07	K	Cheméo Relay (1.0)
tf	295.26	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	611.23	J/mol×K	623.02	Joback Method
cpg	628.26	J/mol×K	652.08	Joback Method
cpg	644.49	J/mol×K	681.13	Joback Method
cpg	659.94	J/mol×K	710.19	Joback Method
cpg	674.64	J/mol×K	739.25	Joback Method
cpg	688.61	J/mol×K	768.31	Joback Method
cpg	701.88	J/mol×K	797.36	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=U308386&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
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point