Cyclopropanecarboxamide, N-decyl-N-methyl-

Inchi: InChI=1S/C15H29NO/c1-3-4-5-6-7-8-9-10-13-16(2)15(17)14-11-12-14/h14H,3-13H2,1-2H
InchiKey: XITSQLKPULJIQN-UHFFFAOYSA-N
Formula: C15H29NO
SMILES: CCCCCCCCCCN(C)C(=O)C1CC1
Mol. weight [g/mol]: 239.40

Physical Properties

Property code	Value	Unit	Source
gf	118.03	kJ/mol	Joback Method
hf	-325.18	kJ/mol	Joback Method
hfus	37.36	kJ/mol	Joback Method
hvap	57.69	kJ/mol	Joback Method
log10ws	-4.10		Crippen Method
logp	3.996		Crippen Method
mcvol	222.900	ml/mol	McGowan Method
pc	1643.09	kPa	Joback Method
rinpol	1890.00		NIST Webbook
tb	615.65	K	Joback Method
tc	791.37	K	Joback Method
tf	359.15	K	Joback Method
vc	0.857	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	616.80	J/mol×K	615.65	Joback Method
cpg	635.33	J/mol×K	644.94	Joback Method
cpg	652.94	J/mol×K	674.22	Joback Method
cpg	669.67	J/mol×K	703.51	Joback Method
cpg	685.58	J/mol×K	732.79	Joback Method
cpg	700.70	J/mol×K	762.08	Joback Method
cpg	715.07	J/mol×K	791.37	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U308578&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

cpg:	Ideal gas heat capacity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion 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
tf:	Normal melting (fusion) point
vc:	Critical Volume