Cyclopropanecarboxamide, N,N-dihexyl-

Inchi: InChI=1S/C16H31NO/c1-3-5-7-9-13-17(14-10-8-6-4-2)16(18)15-11-12-15/h15H,3-14H2,1
InchiKey: TYYRCIALGZPLAR-UHFFFAOYSA-N
Formula: C16H31NO
SMILES: CCCCCCN(CCCCCC)C(=O)C1CC1
Mol. weight [g/mol]: 253.42

Physical Properties

Property code	Value	Unit	Source
gf	126.45	kJ/mol	Joback Method
hf	-345.82	kJ/mol	Joback Method
hfus	39.95	kJ/mol	Joback Method
hvap	59.91	kJ/mol	Joback Method
log10ws	-4.52		Crippen Method
logp	4.386		Crippen Method
mcvol	236.990	ml/mol	McGowan Method
pc	1522.31	kPa	Joback Method
rinpol	1870.00		NIST Webbook
rinpol	1870.00		NIST Webbook
tb	638.53	K	Joback Method
tc	813.36	K	Joback Method
tf	370.42	K	Joback Method
vc	0.912	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	672.02	J/mol×K	638.53	Joback Method
cpg	690.88	J/mol×K	667.67	Joback Method
cpg	708.82	J/mol×K	696.81	Joback Method
cpg	725.87	J/mol×K	725.95	Joback Method
cpg	742.08	J/mol×K	755.08	Joback Method
cpg	757.51	J/mol×K	784.22	Joback Method
cpg	772.19	J/mol×K	813.36	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U308577&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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

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