Cyclopropanecarbamic acid, n-phenethyl-, ethyl ester

Inchi: InChI=1S/C14H19NO2/c1-2-17-14(16)15(13-8-9-13)11-10-12-6-4-3-5-7-12/h3-7,13H,2,8-

InchiKey: JOHAOAKVNLCGHV-UHFFFAOYSA-N

Formula: C14H19NO2

SMILES: CCOC(=O)N(CCc1ccccc1)C1CC1

Mol. weight [g/mol]: 233.31

CAS: 116373-13-8

Physical Properties

Property code	Value	Unit	Source
gf	117.02	kJ/mol	Joback Method
hf	-200.23	kJ/mol	Joback Method
hfus	30.00	kJ/mol	Joback Method
hvap	60.15	kJ/mol	Joback Method
log10ws	-3.20		Crippen Method
logp	2.850		Crippen Method
mcvol	190.920	ml/mol	McGowan Method
pc	2363.37	kPa	Joback Method
tb	641.87	K	Joback Method
tc	852.36	K	Joback Method
tf	396.53	K	Joback Method
vc	0.711	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	518.13	J/mol×K	641.87	Joback Method
cpg	535.24	J/mol×K	676.95	Joback Method
cpg	551.22	J/mol×K	712.03	Joback Method
cpg	566.14	J/mol×K	747.12	Joback Method
cpg	580.07	J/mol×K	782.20	Joback Method
cpg	593.07	J/mol×K	817.28	Joback Method
cpg	605.21	J/mol×K	852.36	Joback Method

Sources

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=C116373138&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume