2-Aminopent-4-enoic acid, N-vinyloxycarbonyl-, hexyl ester

Inchi: InChI=1S/C14H23NO4/c1-4-7-8-9-11-19-13(16)12(10-5-2)15-14(17)18-6-3/h5-6,12H,2-4

InchiKey: DNVLJHXYPMEYNT-UHFFFAOYSA-N

Formula: C14H23NO4

SMILES: C=CCC(NC(=O)OC=C)C(=O)OCCCCCC

Mol. weight [g/mol]: 269.34

Physical Properties

Property code	Value	Unit	Source
gf	-138.21	kJ/mol	Joback Method
hf	-522.84	kJ/mol	Joback Method
hfus	36.61	kJ/mol	Joback Method
hvap	69.78	kJ/mol	Joback Method
log10ws	-3.89		Crippen Method
logp	2.924		Crippen Method
mcvol	224.380	ml/mol	McGowan Method
pc	1787.88	kPa	Joback Method
rinpol	1779.00		NIST Webbook
rinpol	1779.00		NIST Webbook
tb	715.39	K	Joback Method
tc	901.02	K	Joback Method
tf	426.00	K	Joback Method
vc	0.859	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	632.60	J/mol×K	715.39	Joback Method
cpg	647.08	J/mol×K	746.33	Joback Method
cpg	660.76	J/mol×K	777.27	Joback Method
cpg	673.66	J/mol×K	808.21	Joback Method
cpg	685.80	J/mol×K	839.15	Joback Method
cpg	697.18	J/mol×K	870.08	Joback Method
cpg	707.82	J/mol×K	901.02	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=U393210&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume