L-Norvaline, N-methoxycarbonyl-, propyl ester

Inchi: InChI=1S/C10H19NO4/c1-4-6-8(11-10(13)14-3)9(12)15-7-5-2/h8H,4-7H2,1-3H3,(H,11,13
InchiKey: FPVMZEKPFAHJJS-UHFFFAOYSA-N
Formula: C10H19NO4
SMILES: CCCOC(=O)C(CCC)NC(=O)OC
Mol. weight [g/mol]: 217.27

Physical Properties

Property code	Value	Unit	Source
hf	-865.94	kJ/mol	Cheméo Relay (1.0)
hfus	28.81	kJ/mol	Joback Method
hvap	73.74	kJ/mol	Cheméo Relay (1.0)
logp	1.464		Crippen Method
mcvol	176.620	ml/mol	McGowan Method
pc	2345.09	kPa	Joback Method
rinpol	1409.00		NIST Webbook
rinpol	1409.00		NIST Webbook
tb	526.78	K	Cheméo Relay (1.0)
tc	705.21	K	Cheméo Relay (1.0)
tf	293.16	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	468.05	J/mol×K	630.51	Joback Method
cpg	481.54	J/mol×K	661.35	Joback Method
cpg	494.40	J/mol×K	692.20	Joback Method
cpg	506.63	J/mol×K	723.04	Joback Method
cpg	518.21	J/mol×K	753.89	Joback Method
cpg	529.17	J/mol×K	784.73	Joback Method
cpg	539.48	J/mol×K	815.58	Joback Method

Sources

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=U320759&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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
pc:	Critical Pressure
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point