L-Norvaline, N-octyloxycarbonyl-, octyl ester

Inchi: InChI=1S/C22H43NO4/c1-4-7-9-11-13-15-18-26-21(24)20(17-6-3)23-22(25)27-19-16-14-

InchiKey: WYLQEZLKCDZQJM-HXUWFJFHSA-N

Formula: C22H43NO4

SMILES: CCCCCCCCOC(=O)C(CCC)N=C(O)OCCCCCCCC

Mol. weight [g/mol]: 385.58

Physical Properties

Property code	Value	Unit	Source
hf	-959.51	kJ/mol	Joback Method
hvap	95.82	kJ/mol	Joback Method
log10ws	-6.57		Crippen Method
logp	6.350		Crippen Method
mcvol	345.700	ml/mol	McGowan Method
pc	917.72	kPa	Joback Method
rinpol	2588.00		NIST Webbook
rinpol	2588.00		NIST Webbook
tb	969.77	K	Joback Method
tc	1192.79	K	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=U392848&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hf: Enthalpy of formation 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