D-Alanine, N-butoxycarbonyl-, pentadecyl ester

Inchi: InChI=1S/C23H45NO4/c1-4-6-8-9-10-11-12-13-14-15-16-17-18-20-27-22(25)21(3)24-23(

InchiKey: ASFVNSVVBYPZOO-UHFFFAOYSA-N

Formula: C23H45NO4

SMILES: CCCCCCCCCCCCCCCOC(=O)C(C)N=C(O)OCCCC

Mol. weight [g/mol]: 399.61

Physical Properties

Property code	Value	Unit	Source
hf	-980.15	kJ/mol	Joback Method
hvap	98.04	kJ/mol	Joback Method
log10ws	-6.99		Crippen Method
logp	6.740		Crippen Method
mcvol	359.790	ml/mol	McGowan Method
pc	866.58	kPa	Joback Method
rinpol	2712.00		NIST Webbook
rinpol	2712.00		NIST Webbook
tb	992.65	K	Joback Method
tc	1224.98	K	Joback Method

Sources

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U347729&Units=SI

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