1-Aminocyclopentanecarboxylic acid, N-(octyloxycarbonyl)-, pentyl ester

Inchi: InChI=1S/C20H37NO4/c1-3-5-7-8-9-13-17-25-19(23)21-20(14-10-11-15-20)18(22)24-16-

InchiKey: CXRGSTMDTUDHBJ-UHFFFAOYSA-N

Formula: C20H37NO4

SMILES: CCCCCCCCOC(O)=NC1(C(=O)OCCCCC)CCCC1

Mol. weight [g/mol]: 355.51

Physical Properties

Property code	Value	Unit	Source
hf	-837.23	kJ/mol	Joback Method
hvap	90.86	kJ/mol	Joback Method
log10ws	-5.63		Crippen Method
logp	5.324		Crippen Method
mcvol	306.660	ml/mol	McGowan Method
pc	1195.65	kPa	Joback Method
rinpol	2381.00		NIST Webbook
rinpol	2381.00		NIST Webbook
tb	939.97	K	Joback Method
tc	1151.31	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U392562&Units=SI

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

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