Glycine, 2-cyclohexyl-N-(but-3-en-1-yl)oxycarbonyl-, tetradecyl ester

Inchi: InChI=1S/C27H49NO4/c1-3-5-7-8-9-10-11-12-13-14-15-19-23-31-26(29)25(24-20-17-16-

InchiKey: WCKZCKXGOOYHOC-UHFFFAOYSA-N

Formula: C27H49NO4

SMILES: C=CCCOC(O)=NC(C(=O)OCCCCCCCCCCCCCCC)C1CCCCC1

Mol. weight [g/mol]: 451.68

Physical Properties

Property code	Value	Unit	Source
hf	-882.96	kJ/mol	Joback Method
hvap	106.71	kJ/mol	Joback Method
log10ws	-8.17		Crippen Method
logp	7.686		Crippen Method
mcvol	400.990	ml/mol	McGowan Method
pc	800.69	kPa	Joback Method
rinpol	3079.00		NIST Webbook
rinpol	3079.00		NIST Webbook
tb	1100.40	K	Joback Method
tc	1364.17	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=U383251&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

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