Glycine, 2-cyclohexyl-N-isobutoxycarbonyl-, dodecyl ester

Inchi: InChI=1S/C25H47NO4/c1-4-5-6-7-8-9-10-11-12-16-19-29-24(27)23(22-17-14-13-15-18-2

InchiKey: YUPFHWKTPCHKKT-UHFFFAOYSA-N

Formula: C25H47NO4

SMILES: CCCCCCCCCCCCOC(=O)C(N=C(O)OCC(C)C)C1CCCCC1

Mol. weight [g/mol]: 425.64

Physical Properties

Property code	Value	Unit	Source
hf	-972.39	kJ/mol	Joback Method
hvap	102.54	kJ/mol	Joback Method
log10ws	-7.24		Crippen Method
logp	6.986		Crippen Method
mcvol	377.110	ml/mol	McGowan Method
pc	877.39	kPa	Joback Method
rinpol	2761.00		NIST Webbook
rinpol	2761.00		NIST Webbook
tb	1057.52	K	Joback Method
tc	1301.33	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=U383102&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