

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

Inchi:	InChI=1S/C30H57NO4/c1-4-5-6-7-8-9-10-11-12-13-14-15-16-17-21-24-34-29(32)28(27-2
InchiKey:	KDVHUUQYDSMUEC-UHFFFAOYSA-N
Formula:	C30H57NO4
SMILES:	CCCCCCCCCCCCCCCCCOC(=O)C(N=C(O)OCC(C)C)C1CCCCC1
Mol. weight [g/mol]:	495.78

Physical Properties

Property code	Value	Unit	Source
hf	-1075.59	kJ/mol	Joback Method
hvap	113.67	kJ/mol	Joback Method
log10ws	-9.33		Crippen Method
logp	8.937		Crippen Method
mcvol	447.560	ml/mol	McGowan Method
pc	672.55	kPa	Joback Method
tb	1171.92	K	Joback Method
tc	1480.58	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=U383107&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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