

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

Inchi: InChI=1S/C28H53NO4/c1-3-5-6-7-8-9-10-11-12-13-14-15-16-17-21-24-33-27(30)26(29-2
InchiKey: MCPDVL0LBPOGDR-UHFFFAOYSA-N
Formula: C28H53NO4
SMILES: CCCCCCCCCCCCCCCCCOC(=O)C(N=C(O)OCC)C1CCCCC1
Mol. weight [g/mol]: 467.72

Physical Properties

Property code	Value	Unit	Source
hf	-1029.03	kJ/mol	Joback Method
hvap	109.60	kJ/mol	Joback Method
log10ws	-8.74		Crippen Method
logp	8.300		Crippen Method
mcvol	419.380	ml/mol	McGowan Method
pc	741.64	kPa	Joback Method
tb	1126.60	K	Joback Method
tc	1407.73	K	Joback Method

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
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=U383093&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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