Glycine, 2-cyclohexyl-N-benzyloxycarbonyl-, ethyl ester

Inchi: InChI=1S/C18H25NO4/c1-2-22-17(20)16(15-11-7-4-8-12-15)19-18(21)23-13-14-9-5-3-6-
InchiKey: ZQFQKHYFMQGDPY-UHFFFAOYSA-N
Formula: C18H25NO4
SMILES: CCOC(=O)C(N=C(O)OCc1ccccc1)C1CCCCC1
Mol. weight [g/mol]: 319.40

Physical Properties

Property code	Value	Unit	Source
hf	-586.10	kJ/mol	Joback Method
hvap	89.62	kJ/mol	Joback Method
log10ws	-4.15		Crippen Method
logp	3.629		Crippen Method
mcvol	254.720	ml/mol	McGowan Method
pc	1763.93	kPa	Joback Method
rinpol	2368.00		NIST Webbook
rinpol	2368.00		NIST Webbook
tb	924.48	K	Joback Method
tc	1150.06	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=U383109&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature