

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

Inchi:	InChI=1S/C23H43NO4/c1-3-5-6-7-8-9-10-11-12-16-19-28-22(25)21(24-23(26)27-4-2)20-
InchiKey:	MIQBGOOIQPLTRD-UHFFFAOYSA-N
Formula:	C23H43NO4
SMILES:	CCCCCCCCCCCCOC(=O)C(N=C(O)OCC)C1CCCCC1
Mol. weight [g/mol]:	397.59

Physical Properties

Property code	Value	Unit	Source
hf	-925.83	kJ/mol	Joback Method
hvap	98.47	kJ/mol	Joback Method
log10ws	-6.64		Crippen Method
logp	6.350		Crippen Method
mcvol	348.930	ml/mol	McGowan Method
pc	981.46	kPa	Joback Method
rinpol	2713.00		NIST Webbook
rinpol	2713.00		NIST Webbook
tb	1012.20	K	Joback Method
tc	1240.97	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=U383088&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

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