Glycine, n-(phenoxyacetyl)-, ethyl ester

Inchi: InChI=1S/C12H15NO4/c1-2-16-12(15)8-13-11(14)9-17-10-6-4-3-5-7-10/h3-7H,2,8-9H2,1
InchiKey: RUEKMCCFOHLOMQ-UHFFFAOYSA-N
Formula: C12H15NO4
SMILES: CCOC(=O)CN=C(O)COc1ccccc1
Mol. weight [g/mol]: 237.25
CAS: 27127-58-8

Physical Properties

Property code	Value	Unit	Source
hf	-511.30	kJ/mol	Joback Method
hvap	76.22	kJ/mol	Joback Method
log10ws	-1.53		Crippen Method
logp	1.585		Crippen Method
mcvol	181.040	ml/mol	McGowan Method
pc	2455.60	kPa	Joback Method
tb	768.09	K	Joback Method
tc	976.34	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=C27127588&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