Glycine, N-(2-methoxybenzoyl)-, methyl ester

Other names:	Hippuric acid, o-methoxy-, methyl ester
	Methyl o-methoxyhippurate
	Salicyluric acid methyl ester methyl ether
	2-Hydroxybenzoylglycine methyl ester methyl ether
	Methyl ester, methyl ether of 2-Hydroxybenzoylglycine
	o-Methoxyhippurate methyl ester
	Methyl [(2-methoxybenzoyl)amino]acetate
	2-Hydroxyhippuric acid, methyl ether, methyl ester
	Glycine, N-(o-anisoyl)-, methyl ester
	o-Methoxyhippuric acid, methyl ester
Inchi:	InChI=1S/C11H13NO4/c1-15-9-6-4-3-5-8(9)11(14)12-7-10(13)16-2/h3-6H,7H2,1-2H3,(H,
InchiKey:	DMFZPUCQOXSNME-UHFFFAOYSA-N
Formula:	C11H13NO4
SMILES:	COC(=O)CN=C(O)c1ccccc1OC
Mol. weight [g/mol]:	223.23
CAS:	27796-49-2

Physical Properties

Property code	Value	Unit	Source
hf	-502.13	kJ/mol	Joback Method
hvap	74.66	kJ/mol	Joback Method
log10ws	-1.18		Crippen Method
logp	1.173		Crippen Method
mcvol	166.950	ml/mol	McGowan Method
pc	2665.27	kPa	Joback Method
rinpol	1862.00		NIST Webbook
rinpol	1861.00		NIST Webbook
rinpol	1861.00		NIST Webbook
rinpol	1862.00		NIST Webbook
tb	750.19	K	Joback Method
tc	961.43	K	Joback Method

Sources

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=C27796492&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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