Acetamide, N-[(4-methoxyphenyl)methyl]-

Other names:	N-(p-Methoxybenzyl)acetamide
	N-(4-Methoxybenzyl)acetamide
Inchi:	InChI=1S/C10H13NO2/c1-8(12)11-7-9-3-5-10(13-2)6-4-9/h3-6H,7H2,1-2H3,(H,11,12)
InchiKey:	VGCSNHYGZYURJQ-UHFFFAOYSA-N
Formula:	C10H13NO2
SMILES:	COc1ccc(CN=C(C)O)cc1
Mol. weight [g/mol]:	179.22
CAS:	35103-34-5

Physical Properties

Property code	Value	Unit	Source
hf	-236.69	kJ/mol	Joback Method
hvap	63.28	kJ/mol	Joback Method
log10ws	-2.29		Crippen Method
logp	2.172		Crippen Method
mcvol	145.420	ml/mol	McGowan Method
pc	2808.38	kPa	Joback Method
rinpol	1701.90		NIST Webbook
rinpol	1701.90		NIST Webbook
tb	651.02	K	Joback Method
tc	860.75	K	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C35103345&Units=SI
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

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