

Morpholine, 4-(phenylacetyl)-

Other names:	Ethanone, 1-(4-morpholinyl)-2-phenyl-4-(Phenylacetyl)morpholine Phenylacetic acid, morpholide N-(Phenylacetyl)morpholine
Inchi:	InChI=1S/C12H15NO2/c14-12(13-6-8-15-9-7-13)10-11-4-2-1-3-5-11/h1-5H,6-10H2
InchiKey:	UOEAKFDLEWRHEY-UHFFFAOYSA-N
Formula:	C12H15NO2
SMILES:	O=C(Cc1ccccc1)N1CCOCC1
Mol. weight [g/mol]:	205.25
CAS:	17123-83-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.28		Crippen Method
logp	1.088		Crippen Method
mcvol	162.740	ml/mol	McGowan Method
rinpol	1754.00		NIST Webbook
rinpol	1754.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C17123830&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

rinpol: Non-polar retention indices

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