

# «alpha»-Phthalimidopropiophenone

<b>Inchi:</b>	InChI=1S/C17H13NO3/c1-11(15(19)12-7-3-2-4-8-12)18-16(20)13-9-5-6-10-14(13)17(18)
<b>InchiKey:</b>	CKLKGWHINGNHOK-UHFFFAOYSA-N
<b>Formula:</b>	C17H13NO3
<b>SMILES:</b>	CC(C(=O)c1ccccc1)N1C(=O)c2ccccc2C1=O
<b>Mol. weight [g/mol]:</b>	279.29
<b>CAS:</b>	19437-20-8

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.25		Crippen Method
logp	2.554		Crippen Method
mcvol	206.700	ml/mol	McGowan Method

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C19437208&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C19437208&amp;Units=SI</a>

## Legend

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

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