

# n-Butyro-morpholine

<b>Other names:</b>	4-Butyrylmorpholine Butanoic acid, morpholide Morpholine, 4-(1-oxobutyl)-
<b>Inchi:</b>	InChI=1S/C8H15NO2/c1-2-3-8(10)9-4-6-11-7-5-9/h2-7H2,1H3
<b>InchiKey:</b>	BTYJJZJDSMHJGD-UHFFFAOYSA-N
<b>Formula:</b>	C8H15NO2
<b>SMILES:</b>	CCCC(=O)N1CCOCC1
<b>Mol. weight [g/mol]:</b>	157.21
<b>CAS:</b>	5327-51-5

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.50		Crippen Method
logp	0.645		Crippen Method
mcvol	130.140	ml/mol	McGowan Method
rinpola	1315.00		NIST Webbook

## Sources

<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=C5327515&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C5327515&amp;Units=SI</a>
<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>

## 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
<b>rinpola:</b>	Non-polar retention indices

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