

# N-Decanoylmorpholine

<b>Other names:</b>	Morpholine, 4-decanoyl- AI3-18285 4-Caprylmorpholine 4-Decanoylmorpholine Morpholine, 4-(1-oxodecyl)-
<b>Inchi:</b>	InChI=1S/C14H27NO2/c1-2-3-4-5-6-7-8-9-14(16)15-10-12-17-13-11-15/h2-13H2,1H3
<b>InchiKey:</b>	DAOANAATJZWTSJ-UHFFFAOYSA-N
<b>Formula:</b>	C14H27NO2
<b>SMILES:</b>	CCCCCCCCC(=O)N1CCOCC1
<b>Mol. weight [g/mol]:</b>	241.37
<b>CAS:</b>	5299-65-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.01		Crippen Method
logp	2.986		Crippen Method
mcpvol	214.680	ml/mol	McGowan Method

## Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	446.50 ± 1.50	K	0.07	NIST Webbook

## 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=C5299650&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C5299650&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
<b>tbrp:</b>	Boiling point at reduced pressure

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