

# Morpholine, 4-(beta-naphthylthioacetyl)-

**Inchi:** InChI=1S/C16H17NOS/c19-16(17-7-9-18-10-8-17)12-13-5-6-14-3-1-2-4-15(14)11-13/h1-16  
**InchiKey:** WZNVFYJKLFXPFP-UHFFFAOYSA-N  
**Formula:** C16H17NOS  
**SMILES:** S=C(Cc1ccc2ccccc2c1)N1CCOCC1  
**Mol. weight [g/mol]:** 271.38  
**CAS:** 5399-06-4

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.16		Crippen Method
logp	3.042		Crippen Method
mcvol	210.120	ml/mol	McGowan Method

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C5399064&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](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

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