

# Nicotinamide, N-decyl-N-methyl-

**Inchi:** InChI=1S/C17H28N2O/c1-3-4-5-6-7-8-9-10-14-19(2)17(20)16-12-11-13-18-15-16/h11-13  
**InchiKey:** KTORWNJAXISYDL-UHFFFAOYSA-N  
**Formula:** C17H28N2O  
**SMILES:** CCCCCCCCCN(C)C(=O)c1cccnc1  
**Mol. weight [g/mol]:** 276.42

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.15		Crippen Method
logp	4.294		Crippen Method
mcvol	248.160	ml/mol	McGowan Method
rinsol	2273.00		NIST Webbook

## Sources

**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>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U308473&Units=SI>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume  
**rinsol:** Non-polar retention indices

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