

2-Morpholinone, 4-dodecyl-

Inchi: InChI=1S/C16H31NO2/c1-2-3-4-5-6-7-8-9-10-11-12-17-13-14-19-16(18)15-17/h2-15H2,1
InchiKey: RERCLMWEIREGNT-UHFFFAOYSA-N
Formula: C16H31NO2
SMILES: CCCCCCCCCCN1CCOC(=O)C1
Mol. weight [g/mol]: 269.42
CAS: 15989-02-3

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.85		Crippen Method
logp	3.766		Crippen Method
mcvol	242.860	ml/mol	McGowan Method

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C15989023&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: 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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<https://www.chemeo.com/cid/117-824-7/2-Morpholinone-4-dodecyl.pdf>

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