

# 4-Morpholinecarbodithioic acid, ethylene diester

<b>Inchi:</b>	InChI=1S/C12H20N2O2S4/c17-11(13-1-5-15-6-2-13)19-9-10-20-12(18)14-3-7-16-8-4-14
<b>InchiKey:</b>	VTVUTLCOGCPFSX-UHFFFAOYSA-N
<b>Formula:</b>	C12H20N2O2S4
<b>SMILES:</b>	S=C(SCCSC(=S)N1CCOCC1)N1CCOCC1
<b>Mol. weight [g/mol]:</b>	352.56
<b>CAS:</b>	95844-90-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.41		Crippen Method
logp	1.687		Crippen Method
mcvol	246.720	ml/mol	McGowan Method

## 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=C95844909&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C95844909&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

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