

# Morpholine, 4-(triphenylmethyl)-

<b>Other names:</b>	Morpholine, 4-trityl- Frescon N-Tritylmorpholine Shell WL 8008 Trifenmorph WL 8008 Morpholine, N-trityl- Triphenmorph 4-(Triphenylmethyl)morpholine
<b>Inchi:</b>	InChI=1S/C23H23NO/c1-4-10-20(11-5-1)23(21-12-6-2-7-13-21,22-14-8-3-9-15-22)24-16
<b>InchiKey:</b>	ZJMLMBICUVVJDX-UHFFFAOYSA-N
<b>Formula:</b>	C23H23NO
<b>SMILES:</b>	<chem>c1ccc(C(c2ccccc2)(c2ccccc2)N2CCOCC2)cc1</chem>
<b>Mol. weight [g/mol]:</b>	329.43
<b>CAS:</b>	1420-06-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.68		Crippen Method
logp	4.311		Crippen Method
mcvol	268.640	ml/mol	McGowan Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C1420060&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C1420060&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>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume

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