

# 4,4'-Dipentylazoxybenzene

<b>Inchi:</b>	InChI=1S/C22H30N2O/c1-3-5-7-9-19-11-15-21(16-12-19)23-24(25)22-17-13-20(14-18-22)
<b>InchiKey:</b>	OTPIZMGFGQDRNH-UHFFFAOYSA-N
<b>Formula:</b>	C22H30N2O
<b>SMILES:</b>	CCCCCc1ccc(N=[N+](O-))c2ccc(CCCCC)cc2)cc1
<b>Mol. weight [g/mol]:</b>	338.49
<b>CAS:</b>	37592-87-3

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.52		Crippen Method
logp	7.078		Crippen Method
mcvol	294.850	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=C37592873&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C37592873&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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