

# 1,2,3,4-Tetrahydrodibenzofuran

<b>Other names:</b>	Dibenzofuran, 1,2,3,4-tetrahydro-
<b>Inchi:</b>	InChI=1S/C12H12O/c1-3-7-11-9(5-1)10-6-2-4-8-12(10)13-11/h1,3,5,7H,2,4,6,8H2
<b>InchiKey:</b>	LREHXNMBUBVFHA-UHFFFAOYSA-N
<b>Formula:</b>	C12H12O
<b>SMILES:</b>	<chem>c1ccc2c3c(oc2c1)CCCC3</chem>
<b>Mol. weight [g/mol]:</b>	172.22
<b>CAS:</b>	13130-19-3

## Physical Properties

Property code	Value	Unit	Source
log10ws	-8.51		Crippen Method
logp	3.312		Crippen Method
mcvol	136.030	ml/mol	McGowan Method

## Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	418.50 ± 0.50	K	2.00	NIST Webbook

## Sources

<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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C13130193&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C13130193&amp;Units=SI</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcpvol:</b>	McGowan's characteristic volume
<b>tbrp:</b>	Boiling point at reduced pressure

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