

# 2-(2',3'-epoxy-3'-methylbutyl)-3-methylfuran

<b>Other names:</b>	Rosefuran epoxide Rosefurane epoxide
<b>Inchi:</b>	InChI=1S/C10H14O2/c1-7-4-5-11-8(7)6-9-10(2,3)12-9/h4-5,9H,6H2,1-3H3
<b>InchiKey:</b>	BVTAIXWVSMPSFL-UHFFFAOYSA-N
<b>Formula:</b>	C10H14O2
<b>SMILES:</b>	Cc1ccoc1CC1OC1(C)C
<b>Mol. weight [g/mol]:</b>	166.22

## Physical Properties

Property code	Value	Unit	Source
log10ws	-6.95		Crippen Method
logp	2.308		Crippen Method
mcvol	133.180	ml/mol	McGowan Method
rinpol	1172.00		NIST Webbook
rinpol	1167.00		NIST Webbook
rinpol	1172.00		NIST Webbook
rinpol	1161.00		NIST Webbook
rinpol	1197.00		NIST Webbook
rinpol	1160.00		NIST Webbook
ripol	1561.00		NIST Webbook
ripol	1614.00		NIST Webbook

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R223180&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R223180&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

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>rinpol:</b>	Non-polar retention indices
<b>ripol:</b>	Polar retention indices

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