

# Benzo[1,2-b:4,5-b']bisbenzofuran

<b>Other names:</b>	2,2':5',2''-Diepoxy-p-terphenyl 1,1':4',1''-Terphenyl, 2,2':5',2''-diepoxy- 1,1':4',1''-Terphenyl, 2,2':5',2''-dioxido- 2,2':5',2''-Diepoxy-1,1':4',1''-terphenyl 2,2':5,2''-Dioxido-1,1':4',1''-terphenyl Dibenzo[d,d']benzo[1,2-b; 4,5-b']difuran
<b>Inchi:</b>	InChI=1S/C18H10O2/c1-3-7-15-11(5-1)13-9-18-14(10-17(13)19-15)12-6-2-4-8-16(12)20-
<b>InchiKey:</b>	RVAFAAJAGUSYCC-UHFFFAOYSA-N
<b>Formula:</b>	C18H10O2
<b>SMILES:</b>	c1ccc2c(c1)oc1cc3c(cc12)oc1cccc13
<b>Mol. weight [g/mol]:</b>	258.27
<b>CAS:</b>	208-37-7

## Physical Properties

Property code	Value	Unit	Source
log10ws	-16.16		Crippen Method
logp	5.485		Crippen Method
mcvol	183.220	ml/mol	McGowan Method
rinpol	410.06		NIST Webbook
rinpol	410.06		NIST Webbook

## 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=C208377&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C208377&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</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

**log10ws:** Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume  
**rinpol:** Non-polar retention indices

Latest version available from:

<https://www.cheméo.com/cid/81-779-8/Benzo-1-2-b-4-5-b-bisbenzofuran.pdf>

Generated by Cheméo on 2024-04-23 16:43:25.983245655 +0000 UTC m=+16179854.903822971.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.