Furan, 2,2'-[oxybis(methylene)]bis-

Other names:	Furan, 2,2'-(oxydimethylene)di-
	Difurfuryl ether
	Furfuryl ether
	2,2'-[Oxybis(methylene)]bisfuran
	2-[(2-Furylmethoxy)methyl]furan
	2,2'-(Oxydimethylene)-difuran
Inchi:	InChI=1S/C10H10O3/c1-3-9(12-5-1)7-11-8-10-4-2-6-13-10/h1-6H,7-8H2
InchiKey:	YEQMNLGBLPBBNI-UHFFFAOYSA-N
Formula:	C10H10O3
SMILES:	c1coc(COCc2ccco2)c1
Mol. weight [g/mol]:	178.18
CAS:	4437-22-3

Physical Properties

Property code	Value	Unit	Source
log10ws	-11.43		Crippen Method
logp	2.589		Crippen Method
mcvol	130.450	ml/mol	McGowan Method
rinpol	1292.00		NIST Webbook
rinpol	1305.00		NIST Webbook
ripol	1986.00		NIST Webbook
ripol	2028.00		NIST Webbook
ripol	1977.00		NIST Webbook
ripol	2028.00		NIST Webbook

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C4437223&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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