

Bis(2-furfuryl)disulfide

Other names:	Furan, 2,2'-[dithiobis(methylene)]bis- 2,2'-[Dithiobis(methylene)]bisfuran Furfuryl disulfide bis(2-Furanylmethyl) disulfide Bis-2-Furfuryl disulphide bis(2-Furylmethyl)disulfide bis(2-Furylmethyl) disulphide bis-Furfuryl disulfide bis-(Furylmethyl) disulfide di-2-Furfuryl disulfide 2-difurfuryl disulfide
Inchi:	InChI=1S/C10H10O2S2/c1-3-9(11-5-1)7-13-14-8-10-4-2-6-12-10/h1-6H,7-8H2
InchiKey:	CBJPZHSWLMJQRI-UHFFFAOYSA-N
Formula:	C10H10O2S2
SMILES:	<chem>c1coc(CSSCc2ccco2)c1</chem>
Mol. weight [g/mol]:	226.31
CAS:	4437-20-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-13.10		Crippen Method
logp	3.954		Crippen Method
mcvol	157.280	ml/mol	McGowan Method
rinpol	1683.00		NIST Webbook
rinpol	1660.00		NIST Webbook
rinpol	1710.00		NIST Webbook
rinpol	1660.00		NIST Webbook
rinpol	1683.00		NIST Webbook
rinpol	1701.00		NIST Webbook
rinpol	1702.00		NIST Webbook
rinpol	1658.00		NIST Webbook
rinpol	1658.00		NIST Webbook
rinpol	1710.00		NIST Webbook
rinpol	1673.00		NIST Webbook
rinpol	1673.00		NIST Webbook
rinpol	1673.00		NIST Webbook
rinpol	1701.00		NIST Webbook

ripol	1655.00	NIST Webbook
ripol	2520.00	NIST Webbook
ripol	2465.00	NIST Webbook
ripol	2465.00	NIST Webbook
ripol	2465.00	NIST Webbook

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C4437201&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
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
ripol:	Non-polar retention indices
ripol:	Polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/22-273-4/Bis-2-furfuryl-disulfide.pdf>

Generated by Cheméo on 2024-04-23 08:51:21.793057995 +0000 UTC m=+16151530.713635308.

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