

Furan, 2,2'-methylenebis-

Other names:	2,2'-Difurylmethane 2,2'-Methylene difuran 2,2'-Methylidenedifuran 2,2'-methylenebisfuran 2,2-methylenebisfuran 2-Furfurylfuran Di-«alpha»-furylmethane Furan, 2,2'-methylenedi-
Inchi:	InChI=1S/C9H8O2/c1-3-8(10-5-1)7-9-4-2-6-11-9/h1-6H,7H2
InchiKey:	YHGNXEIQSHICNK-UHFFFAOYSA-N
Formula:	C9H8O2
SMILES:	c1coc(Cc2ccco2)c1
Mol. weight [g/mol]:	148.16
CAS:	1197-40-6

Physical Properties

Property code	Value	Unit	Source
log10ws	-11.04		Crippen Method
logp	2.463		Crippen Method
mcvol	110.490	ml/mol	McGowan Method
ripol	1063.00		NIST Webbook
ripol	1086.00		NIST Webbook
ripol	1090.00		NIST Webbook
ripol	1089.00		NIST Webbook
ripol	1090.00		NIST Webbook
ripol	1061.00		NIST Webbook
ripol	1085.60		NIST Webbook
ripol	1586.00		NIST Webbook
ripol	1615.00		NIST Webbook
ripol	1588.00		NIST Webbook
ripol	1637.00		NIST Webbook
ripol	1637.00		NIST Webbook
ripol	1636.00		NIST Webbook
ripol	1636.00		NIST Webbook
ripol	1636.00		NIST Webbook
ripol	1615.00		NIST Webbook
ripol	1628.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
speedsl	1369.00	m/s	298.15	Ultrasonic speeds and isentropic compressibilities of {difurylmethane + (C1 C6) n-alkanol} binary mixtures at T = 298.15 K

Sources

Ultrasonic speeds and isentropic compressibilities of {difurylmethane + (C1 C6) n-alkanol} binary mixtures at T = 298.15 K:
Crippen Method:
NIST Webbook:

<https://www.doi.org/10.1016/j.jct.2010.05.016>

McGowan Method:
Crippen Method:

<http://link.springer.com/article/10.1007/BF02311772>

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C1197406&Units=SI>

Crippen Method:

<http://pubs.acs.org/doi/abs/10.1021/ci9903071>

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
speedsl: Speed of sound in fluid

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