Tetramethylfuran

Other names:	Furan, tetramethyl- 2,3,4,5-tetramethylfuran
Inchi:	InChI=1S/C8H12O/c1-5-6(2)8(4)9-7(5)3/h1-4H3
InchiKey:	OMFSJRHPFYVJSP-UHFFFAOYSA-N
Formula:	C8H12O
SMILES:	Cc1oc(C)c(C)c1C
Mol. weight [g/mol]:	124.18
CAS:	10599-58-3

Physical Properties

Property code	Value	Unit	Source
affp	915.50	kJ/mol	NIST Webbook
basg	884.80	kJ/mol	NIST Webbook
log10ws	-7.11		Crippen Method
logp	2.513		Crippen Method
mcvol	109.990	ml/mol	McGowan Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C10599583&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

affp:	Proton affinity
basg:	Gas basicity
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume