2-[(2-methyl-3-furyl)dithio]-3-pentanone

Other names: 3-Pentanone, 2-(2-methyl-3-furyldithio)
Inchi: InChI=1S/C10H14O2S2/c1-4-9(11)8(3)13-14-10-5-6-12-7(10)2/h5-6,8H,4H2,1-3H3
InchiKey: WIQYBKGTGUZQOG-UHFFFAOYSA-N
Formula: C10H14O2S2
SMILES: CCC(=O)C(C)SSc1ccoc1C
Mol. weight [g/mol]: 230.35

Physical Properties

Property code	Value	Unit	Source
log10ws	-8.37		Crippen Method
logp	3.696		Crippen Method
mcvol	172.440	ml/mol	McGowan Method
rinpol	1571.00		NIST Webbook
rinpol	1596.00		NIST Webbook
rinpol	1593.00		NIST Webbook
rinpol	1589.00		NIST Webbook
rinpol	1571.00		NIST Webbook
rinpol	1589.00		NIST Webbook
ripol	2222.00		NIST Webbook
ripol	2265.00		NIST Webbook
ripol	2265.00		NIST Webbook
ripol	2222.00		NIST Webbook

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U357167&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