3,3'-Ethylene bis-(4-methyl-2-thiazole)-thione

Inchi: InChI=1S/C10H10N2S4/c1-7-5-15-9(13)11(7)3-4-12-8(2)6-16-10(12)14/h3-6H,1-2H3/b4-

InchiKey: VZQAATFSBYWKBV-ARJAWSKDSA-N

Formula: C10H10N2S4

SMILES: Cc1csc(=S)n1C=Cn1c(C)csc1=S

Mol. weight [g/mol]: 286.46

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.16		Crippen Method
logp	4.574		Crippen Method
mcvol	193.900	ml/mol	McGowan Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=B6001655&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume