bis(2-thiophenemethyl) disulfide

Inchi: InChI=1S/C10H10S4/c1-3-9(11-5-1)7-13-14-8-10-4-2-6-12-10/h1-6H,7-8H2
InchiKey: WFMZJMLYKVJZAO-UHFFFAOYSA-N
Formula: C10H10S4
SMILES: c1csc(CSSCc2cccs2)c1
Mol. weight [g/mol]: 258.45

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.15		Crippen Method
logp	4.891		Crippen Method
mcvol	178.240	ml/mol	McGowan Method
ripol	2641.00		NIST Webbook
ripol	2641.00		NIST Webbook

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R336444&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
ripol: Polar retention indices

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