Phenanthro[2,1-b]thiophene, 3-methyl

Inchi: InChI=1S/C17H12S/c1-11-10-18-16-9-8-14-13-5-3-2-4-12(13)6-7-15(14)17(11)16/h2-10H
InchiKey: YGKFGYRNHWUIIU-UHFFFAOYSA-N
Formula: C17H12S
SMILES: Cc1csc2ccc3c4ccccc4ccc3c12
Mol. weight [g/mol]: 248.34

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.12		Crippen Method
logp	5.516		Crippen Method
mcvol	188.900	ml/mol	McGowan Method
rinpol	423.48		NIST Webbook
rinpol	423.48		NIST Webbook

Sources

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
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R21699&Units=SI

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
rinpol: Non-polar retention indices

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