

4-Methyl-2-carboxaldehyde-thiophene

Other names: 2-Formyl-4-methylthiophene
Inchi: InChI=1S/C6H6OS/c1-5-2-6(3-7)8-4-5/h2-4H,1H3
InchiKey: HVXCGIPRXBJIRK-UHFFFAOYSA-N
Formula: C6H6OS
SMILES: Cc1csc(C=O)c1
Mol. weight [g/mol]: 126.18

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.95		Crippen Method
logp	1.869		Crippen Method
mcvol	93.860	ml/mol	McGowan Method
rinpol	1046.00		NIST Webbook
ripol	1709.00		NIST Webbook

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
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=R389458&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
ripol: Polar retention indices

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