

# 5-Butyl-3-carboxaldehyde-thiophene

<b>Inchi:</b>	InChI=1S/C9H12OS/c1-2-3-4-9-5-8(6-10)7-11-9/h5-7H,2-4H2,1H3
<b>InchiKey:</b>	XQWVHNRBNBQDRW-UHFFFAOYSA-N
<b>Formula:</b>	C9H12OS
<b>SMILES:</b>	CCCCc1cc(C=O)cs1
<b>Mol. weight [g/mol]:</b>	168.26

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.11		Crippen Method
logp	2.903		Crippen Method
mcvol	136.130	ml/mol	McGowan Method
rinpol	1266.00		NIST Webbook
rinpol	1266.00		NIST Webbook

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R441799&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R441799&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>

## Legend

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

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