

# 5-Bromo-2-thiophenecarboxaldehyde

<b>Other names:</b>	5-Bromothiophene-2-carboxaldehyde 5-Bromothiophene-2-carbaldehyde 2-Thiophenecarboxaldehyde, 5-bromo-
<b>Inchi:</b>	InChI=1S/C5H3BrOS/c6-5-2-1-4(3-7)8-5/h1-3H
<b>InchiKey:</b>	GFBVUFQNHLCUPX-UHFFFAOYSA-N
<b>Formula:</b>	C5H3BrOS
<b>SMILES:</b>	O=Cc1ccc(Br)s1
<b>Mol. weight [g/mol]:</b>	191.05
<b>CAS:</b>	4701-17-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.63		Crippen Method
logp	2.323		Crippen Method
mcvol	97.270	ml/mol	McGowan Method

## Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	379.20	K	1.50	NIST Webbook
tbrp	388.00	K	1.90	NIST Webbook

## Sources

<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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C4701171&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C4701171&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</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>tbrp:</b>	Boiling point at reduced pressure

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