

# 1-Pyrrolidinecarboxaldehyde

<b>Other names:</b>	N-Formylpyrrolidine 1-Formylpyrrolidine Prolinal pyrrolidine-1-carbaldehyde
<b>Inchi:</b>	InChI=1S/C5H9NO/c7-5-6-3-1-2-4-6/h5H,1-4H2
<b>InchiKey:</b>	AGRIQBHIKABLPJ-UHFFFAOYSA-N
<b>Formula:</b>	C5H9NO
<b>SMILES:</b>	O=CN1CCCC1
<b>Mol. weight [g/mol]:</b>	99.13
<b>CAS:</b>	3760-54-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.16		Crippen Method
logp	0.239		Crippen Method
mcvol	82.000	ml/mol	McGowan Method
ripol	1691.00		NIST Webbook

## Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	369.50 ± 1.50	K	2.30	NIST Webbook

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C3760541&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C3760541&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</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>ripol:</b>	Polar retention indices
<b>tbrp:</b>	Boiling point at reduced pressure

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