

2,6-Pyridinedicarboxaldehyde

Other names:	2,6-Pyridine dialdehyde pyridine-2,6-dicarbaldehyde
Inchi:	InChI=1S/C7H5NO2/c9-4-6-2-1-3-7(5-10)8-6/h1-5H
InchiKey:	PMWXGSWIOOVHEQ-UHFFFAOYSA-N
Formula:	C7H5NO2
SMILES:	O=Cc1cccc(C=O)n1
Mol. weight [g/mol]:	135.12
CAS:	5431-44-7

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.72		Crippen Method
logp	0.707		Crippen Method
mcpvol	98.850	ml/mol	McGowan Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	426.20	K	13.70	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=C5431447&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tbrp:	Boiling point at reduced pressure

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