

1,5-Dimethyl-2-pyrrolidinone

Other names:	2-Pyrrolidinone, 1,5-dimethyl- 1,5-dimethylpyrrolidin-2-one
Inchi:	InChI=1S/C6H11NO/c1-5-3-4-6(8)7(5)2/h5H,3-4H2,1-2H3
InchiKey:	FILVIKOEJGORQS-UHFFFAOYSA-N
Formula:	C6H11NO
SMILES:	CC1CCC(=O)N1C
Mol. weight [g/mol]:	113.16
CAS:	5075-92-3

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.69		Crippen Method
logp	0.627		Crippen Method
mcvol	96.090	ml/mol	McGowan Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	489.20	K	99.10	NIST Webbook

Sources

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=C5075923&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

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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