

# 2,5-Pyrrolidinedione, 1-hydroxy-

<b>Other names:</b>	N-Hydroxysuccinimide Succinimide, N-hydroxy- Hydroxysuccinimide 1-Hydroxysuccinimide 1-Hydroxy-2,5-pyrrolidinedione N-Hydroxylsuccinimide
<b>Inchi:</b>	InChI=1S/C4H5NO3/c6-3-1-2-4(7)5(3)8/h8H,1-2H2
<b>InchiKey:</b>	NQTADLQHYWFPDB-UHFFFAOYSA-N
<b>Formula:</b>	C4H5NO3
<b>SMILES:</b>	O=C1CCC(=O)N1O
<b>Mol. weight [g/mol]:</b>	115.09
<b>CAS:</b>	6066-82-6

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.83		Crippen Method
logp	-0.475		Crippen Method
mcvol	75.350	ml/mol	McGowan Method

## Sources

<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=C6066826&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C6066826&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>

## 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

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