

# 3-Pyrazolidinone, 1-phenyl-

<b>Other names:</b>	Fenidon Phenidone 1-Phenyl-3-oxopyrazolidine 1-Phenyl-3-pyrazolidinone 1-Phenyl-3-pyrazolidone 1-Phenylpyrazolid-3-one 2-Pyrazolin-3-ol, 1-phenyl- 1-P-3-P 1-Phenyl-pyrazolidin-3-one
<b>Inchi:</b>	InChI=1S/C9H10N2O/c12-9-6-7-11(10-9)8-4-2-1-3-5-8/h1-5H,6-7H2,(H,10,12)
<b>InchiKey:</b>	CMCWVWLVWPDLCRM-UHFFFAOYSA-N
<b>Formula:</b>	C9H10N2O
<b>SMILES:</b>	O=C1CCN(c2ccccc2)N1
<b>Mol. weight [g/mol]:</b>	162.19
<b>CAS:</b>	92-43-3

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.65		Crippen Method
logp	0.928		Crippen Method
mcpvol	124.580	ml/mol	McGowan Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	84.30	kJ/mol	337.50	NIST Webbook

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C92433&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C92433&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>

## Legend

**hsubt:** Enthalpy of sublimation at a given temperature

**log10ws:** Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient

**mcvol:** McGowan's characteristic volume

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