3-Pyrazolidinone, 1-phenyl-

Other names:	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
Inchi:	InChI=1S/C9H10N2O/c12-9-6-7-11(10-9)8-4-2-1-3-5-8/h1-5H,6-7H2,(H,10,12)
InchiKey:	CMCWWLVWPDLCRM-UHFFFAOYSA-N
Formula:	C9H10N2O
SMILES:	O=C1CCN(c2ccccc2)N1
Mol. weight [g/mol]:	162.19
CAS:	92-43-3

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.65		Crippen Method
logp	0.928		Crippen Method
mcvol	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

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C92433&Units=SI
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

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