

N-Vinylimidazole

Other names:	Vinylimidazole 1H-Imidazole, 1-ethenyl- 1-Vinylimidazole
Inchi:	InChI=1S/C5H6N2/c1-2-7-4-3-6-5-7/h2-5H,1H2
InchiKey:	OSSNTDFYBPYIEC-UHFFFAOYSA-N
Formula:	C5H6N2
SMILES:	C=Cn1ccnc1
Mol. weight [g/mol]:	94.11
CAS:	1072-63-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.52		Crippen Method
logp	0.984		Crippen Method
mcvol	77.510	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1072635&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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<https://www.chemeo.com/cid/22-500-1/N-Vinylimidazole.pdf>

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