1H-Imidazole, 1,2-dimethyl-

Other names:	1,2-dimethyl-1H-imidazole
	1,2-dimethylimidazole
	N,2-Dimethylimidazole
	NSC 111174
	SN 25
	imidazole, 1,2-dimethyl-
Inchi:	InChI=1S/C5H8N2/c1-5-6-3-4-7(5)2/h3-4H,1-2H3
InchiKey:	GIWQSPITLQVMSG-UHFFFAOYSA-N
Formula:	C5H8N2
SMILES:	Cc1nccn1C
Mol. weight [g/mol]:	96.13
CAS:	1739-84-0

Physical Properties

Property code	Value	Unit	Source
affp	984.70	kJ/mol	NIST Webbook
basg	952.60	kJ/mol	NIST Webbook
ie	8.38	eV	NIST Webbook
log10ws	-3.00		Crippen Method
logp	0.729		Crippen Method
mcvol	81.810	ml/mol	McGowan Method
rinpol	1006.00		NIST Webbook
rinpol	1006.00		NIST Webbook
rinpol	1006.00		NIST Webbook
ripol	1715.00		NIST Webbook
tb	479.20	K	NIST Webbook
tb	477.20	K	NIST Webbook
tf	311.50	K	Solubility of Imidazoles in Ethers

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1739840&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Solubility of Imidazoles in Ethers:	https://www.doi.org/10.1021/je020113t
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

affp:	Proton affinity
basg:	Gas basicity
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point