Aziridine, 1-ethenyl-

Other names:	Aziridine, 1-vinyl-
	N-Vinylaziridine
	1-Vinyl aziridine
	N-Vinylethyleneimine
	N-Vinylethylenimine
Inchi:	InChI=1S/C4H7N/c1-2-5-3-4-5/h2H,1,3-4H2
InchiKey:	VZNJDNKFUXILTJ-UHFFFAOYSA-N
Formula:	C4H7N
SMILES:	C=CN1CC1
Mol. weight [g/mol]:	69.11
CAS:	5628-99-9

Physical Properties

Property code	Value	Unit	Source
ie	8.20	eV	NIST Webbook
ie	8.75	eV	NIST Webbook
log10ws	-0.31		Crippen Method
logp	0.445		Crippen Method
mcvol	62.040	ml/mol	McGowan Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C5628999&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume