

# 1-Methoxy-2,3-trans-dimethylaziridine

**Other names:** Aziridine, 2,3-dimethyl-1-methoxy  
**Inchi:** InChI=1S/C5H11NO/c1-4-5(2)6(4)7-3/h4-5H,1-3H3  
**InchiKey:** JOIYWHWGTCPMNL-UHFFFAOYSA-N  
**Formula:** C5H11NO  
**SMILES:** CON1C(C)C1C  
**Mol. weight [g/mol]:** 101.15

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.68		Crippen Method
logp	0.640		Crippen Method
mcvol	86.300	ml/mol	McGowan Method
rinpol	797.00		NIST Webbook
rinpol	797.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**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>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U283234&Units=SI>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume  
**rinpol:** Non-polar retention indices

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