

# 1,5-diazabicyclo[4.4.0]dec-6-ene (DBD)

**Inchi:** InChI=1S/C8H14N2/c1-2-6-10-7-3-5-9-8(10)4-1/h4,9H,1-3,5-7H2  
**InchiKey:** ADYDYSSRJIVQDA-UHFFFAOYSA-N  
**Formula:** C8H14N2  
**SMILES:** C1=C2NCCCN2CCC1  
**Mol. weight [g/mol]:** 138.21  
**CAS:** 19616-52-5

## Physical Properties

Property code	Value	Unit	Source
affp	1046.40	kJ/mol	NIST Webbook
basg	1014.00	kJ/mol	NIST Webbook
log10ws	-1.56		Crippen Method
logp	0.917		Crippen Method
mcvol	117.520	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=C19616525&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

## Legend

**affp:** Proton affinity  
**basg:** Gas basicity  
**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume

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