

# 1-Azidohexane

**Inchi:** InChI=1S/C6H13N3/c1-2-3-4-5-6-8-9-7/h2-6H2,1H3  
**InchiKey:** KFQRCGONYHVDKX-UHFFFAOYSA-N  
**Formula:** C6H13N3  
**SMILES:** CCCCCCN=[N+]=[N-]  
**Mol. weight [g/mol]:** 127.19  
**CAS:** 6926-45-0

## Physical Properties

Property code	Value	Unit	Source
chl	-4371.00 ± 3.00	kJ/mol	NIST Webbook
hfl	151.00	kJ/mol	NIST Webbook
log10ws	-7.42		Crippen Method
logp	2.877		Crippen Method
mcvol	116.740	ml/mol	McGowan Method

## 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=C6926450&Units=SI>

## Legend

**chl:** Standard liquid enthalpy of combustion  
**hfl:** Liquid phase enthalpy of formation at standard conditions  
**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume

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