

# 4-NH2-pyrazole

**Inchi:** InChI=1S/C3H5N3/c4-3-1-5-6-2-3/h1-2H,4H2,(H,5,6)  
**InchiKey:** AXINVSXSGNSVLV-UHFFFAOYSA-N  
**Formula:** C3H5N3  
**SMILES:** Nc1cn[nH]c1  
**Mol. weight [g/mol]:** 83.09  
**CAS:** 28466-26-4

## Physical Properties

Property code	Value	Unit	Source
affp	907.60	kJ/mol	NIST Webbook
basg	874.00	kJ/mol	NIST Webbook
log10ws	-0.09		Crippen Method
logp	-0.490		Crippen Method
mcvol	63.610	ml/mol	McGowan Method

## Sources

**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=C28466264&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## 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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