# 5-Phenylaminotetrazole

**Inchi:** InChI=1S/C7H7N5/c1-2-4-6(5-3-1)8-7-9-11-12-10-7/h1-5H,(H2,8,9,10,11,12)
**InchiKey:** JJGVUQXLNNGWPZ-UHFFFAOYSA-N
**Formula:** C7H7N5
**SMILES:** c1ccc(Nc2nnn[nH]2)cc1
**Mol. weight [g/mol]:** 161.16
**CAS:** 23579-46-6

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| chs | -4060.00 ± 0.08 | kJ/mol | NIST Webbook |
| hfs | 305.00 | kJ/mol | NIST Webbook |
| log10ws | -1.79 | | Crippen Method |
| logp | 0.461 | | Crippen Method |
| mcvol | 116.170 | ml/mol | McGowan Method |

## Sources

**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l
**Crippen Method:** 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=C23579466&Units=SI

## Legend

**chs:** Standard solid enthalpy of combustion
**hfs:** Solid 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