

# 2,3,5-Trimethylimidazo(1,2-a)-pyridine

**Inchi:** InChI=1S/C10H12N2/c1-7-5-4-6-10-11-8(2)9(3)12(7)10/h4-6H,1-3H3  
**InchiKey:** RHZCLGNRBBHEJF-UHFFFAOYSA-N  
**Formula:** C10H12N2  
**SMILES:** Cc1nc2cccc(C)n2c1C  
**Mol. weight [g/mol]:** 160.22  
**CAS:** 34165-19-0

## Physical Properties

| Property code | Value   | Unit   | Source         |
|---------------|---------|--------|----------------|
| affp          | 1005.50 | kJ/mol | NIST Webbook   |
| basg          | 973.70  | kJ/mol | NIST Webbook   |
| log10ws       | -3.62   |        | Crippen Method |
| logp          | 2.260   |        | Crippen Method |
| mcvol         | 132.800 | ml/mol | McGowan Method |

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C34165190&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)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>

## 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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