

# Diphenyl-(3-pyridyl)carbinol

**Inchi:** InChI=1S/C18H15NO/c20-18(15-8-3-1-4-9-15,16-10-5-2-6-11-16)17-12-7-13-19-14-17/h  
**InchiKey:** GAGJIFCXHADNEC-UHFFFAOYSA-N  
**Formula:** C18H15NO  
**SMILES:** OC(c1ccccc1)(c1ccccc1)c1cccnc1  
**Mol. weight [g/mol]:** 261.32

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.49		Crippen Method
logp	3.366		Crippen Method
mcvol	209.050	ml/mol	McGowan Method
rinpol	2254.00		NIST Webbook
rinpol	2254.00		NIST Webbook
ripol	3507.00		NIST Webbook

## Sources

**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>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R537761&Units=SI>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume  
**rinpol:** Non-polar retention indices  
**ripol:** Polar retention indices

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