

# Diphenyl 1-imidazolyl carbinol

**Inchi:** InChI=1S/C16H14N2O/c19-16(18-12-11-17-13-18,14-7-3-1-4-8-14)15-9-5-2-6-10-15/h1-16  
**InchiKey:** OOBWFAQBGKSKIR-UHFFFAOYSA-N  
**Formula:** C16H14N2O  
**SMILES:** OC(c1ccccc1)(c1ccccc1)n1ccnc1  
**Mol. weight [g/mol]:** 250.30

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.95		Crippen Method
logp	2.625		Crippen Method
mcvol	195.150	ml/mol	McGowan Method
rinpol	2500.00		NIST Webbook
rinpol	2500.00		NIST Webbook
ripol	3581.00		NIST Webbook
ripol	3581.00		NIST Webbook

## Sources

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R537736&Units=SI>  
**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)

## 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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