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/h1-1
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/ci990307l
Crippen Method: 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