

# Quinoline, 6-phenyl-

<b>Other names:</b>	6-phenylquinoline
<b>Inchi:</b>	InChI=1S/C15H11N/c1-2-5-12(6-3-1)13-8-9-15-14(11-13)7-4-10-16-15/h1-11H
<b>InchiKey:</b>	OKLKICXAGRLLGF-UHFFFAOYSA-N
<b>Formula:</b>	C15H11N
<b>SMILES:</b>	<chem>c1ccc(-c2ccc3ncccc3c2)cc1</chem>
<b>Mol. weight [g/mol]:</b>	205.25
<b>CAS:</b>	612-95-3

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.64		Crippen Method
logp	3.902		Crippen Method
mcvol	165.210	ml/mol	McGowan Method
rinpol	342.45		NIST Webbook
rinpol	340.95		NIST Webbook
rinpol	340.84		NIST Webbook
rinpol	340.84		NIST Webbook
rinpol	340.84		NIST Webbook
tf	384.15 ± 2.00	K	NIST Webbook

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C612953&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C612953&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient

**mcvol:** McGowan's characteristic volume  
**rinpol:** Non-polar retention indices  
**tf:** Normal melting (fusion) point

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