Quinoline, 6-phenyl-

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C612953&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method: http://link.springer.com/article/10.1007/BF02311772

Legend

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

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