Quinoline, 8-methoxy-

Other names:	8-Methoxyquinoline
	methyl 8-quinolyl ether
Inchi:	InChI=1S/C10H9NO/c1-12-9-6-2-4-8-5-3-7-11-10(8)9/h2-7H,1H3
InchiKey:	ZLKGGEBOALGXJZ-UHFFFAOYSA-N
Formula:	C10H9NO
SMILES:	COc1cccc2cccnc12
Mol. weight [g/mol]:	159.18
CAS:	938-33-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.16		Crippen Method
logp	2.243		Crippen Method
mcvol	124.390	ml/mol	McGowan Method
rinpol	1524.00		NIST Webbook
rinpol	259.80		NIST Webbook
rinpol	259.80		NIST Webbook
tf	318.40 ± 0.70	K	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C938330&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