Quinoline, 6-methoxy-

Other names:	6-Methoxyquinoline
	p-Quinanisole
	methyl 6-quinolyl ether
Inchi:	InChI=1S/C10H9NO/c1-12-9-4-5-10-8(7-9)3-2-6-11-10/h2-7H,1H3
InchiKey:	HFDLDPJYCIEXJP-UHFFFAOYSA-N
Formula:	C10H9NO
SMILES:	COc1ccc2ncccc2c1
Mol. weight [g/mol]:	159.18
CAS:	5263-87-6

Physical Properties

Property code	Value	Unit	Source
hvap	78.10 ± 2.30	kJ/mol	NIST Webbook
log10ws	-3.16		Crippen Method
logp	2.243		Crippen Method
mcvol	124.390	ml/mol	McGowan Method
rinpol	1470.00		NIST Webbook
rinpol	1470.00		NIST Webbook
ripol	2353.00		NIST Webbook

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	466.20	K	6.70	NIST Webbook
tbrp	426.20	K	1.60	NIST Webbook
tbrp	416.00 ± 3.00	K	2.00	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C5263876&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

hvap:	Enthalpy of vaporization at standard conditions
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
tbrp:	Boiling point at reduced pressure