2(1H)-Quinolinone, 4-methyl-

Other names:	Carbostyril, 4-methyl- 2(1H)-Lepidinone 2-Hydroxylepidine 2-Lepidinol 4-Methyl-2(1H)-quinolinone 4-Methyl-2-quinolinol 4-Methyl-2-quinolone 4-Methylcarbostyril 4-Methylquinolin-2-one 2-Hydroxy-4-methylquinoline NSC 2057 4-methylquinolin-2-ol 4-Methyl-2-hydroxyquinoline
Inchi:	InChI=1S/C10H9NO/c1-7-6-10(12)11-9-5-3-2-4-8(7)9/h2-6H,1H3,(H,11,12)
InchiKey:	APLVPBUBDFWWAD-UHFFFAOYSA-N
Formula:	C10H9NO
SMILES:	Cc1cc(=O)[nH]c2ccccc12
Mol. weight [g/mol]:	159.18
CAS:	607-66-9

Physical Properties

Property code	Value	Unit	Source
hsub	128.10 ± 1.60	kJ/mol	NIST Webbook
log10ws	-2.39		Crippen Method
logp	1.355		Crippen Method
mcvol	124.390	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	123.10 ± 1.60	kJ/mol	398.00	NIST Webbook

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C607669&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hsub:	Enthalpy of sublimation at standard conditions
hsubt:	Enthalpy of sublimation at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume