8-Quinolinol, 2-methyl-

Other names:	2-Methyl-8-hydroxyquinoline
	2-Methyl-8-quinolinol
	2-Methyloxine
	8-Hydroxy-2-methylquinoline
	8-Hydroxyquinaldine
	Hydroxyquinaldine
	8-Hydroxyqinaldine
	2-methylquinolin-8-ol
Inchi:	InChI=1S/C10H9NO/c1-7-5-6-8-3-2-4-9(12)10(8)11-7/h2-6,12H,1H3
InchiKey:	NBYLBWHHTUWMER-UHFFFAOYSA-N
Formula:	C10H9NO
SMILES:	Cc1ccc2cccc(O)c2n1
Mol. weight [g/mol]:	159.18
CAS:	826-81-3

Physical Properties

Property code	Value	Unit	Source
chs	-5091.50 ± 1.60	kJ/mol	NIST Webbook
hf	-39.40 ± 2.20	kJ/mol	NIST Webbook
hfs	-129.80 ± 2.10	kJ/mol	NIST Webbook
hsub	90.40 ± 0.70	kJ/mol	NIST Webbook
log10ws	-3.07		Crippen Method
logp	2.249		Crippen Method
mcvol	124.390	ml/mol	McGowan Method
tb	540.20	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	90.40 ± 0.70	kJ/mol	301.50	NIST Webbook
hsubt	87.90	kJ/mol	320.50	NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C826813&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

chs:	Standard solid enthalpy of combustion
hf:	Enthalpy of formation at standard conditions
hfs:	Solid phase enthalpy of formation at standard conditions
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
tb:	Normal Boiling Point Temperature