Phenol, 4-nitroso-

Other names:	Phenol, p-nitroso-
	p-Nitrosophenol
	Nitrosophenol
	4-Nitrosophenol
	Quinone monoxime
	p-Chinonmonoxim
	4-Nitrosofenol
	Benzoquinone monooxime
	NSC 3124
Inchi:	InChI=1S/C6H5NO2/c8-6-3-1-5(7-9)2-4-6/h1-4,8H
InchiKey:	JSTCPNFNKICNNO-UHFFFAOYSA-N
Formula:	C6H5NO2
SMILES:	O=Nc1ccc(O)cc1
Mol. weight [g/mol]:	123.11
CAS:	104-91-6

Physical Properties

Property code	Value	Unit	Source
hf	-276.14	kJ/mol	Joback Method
hvap	53.34	kJ/mol	Joback Method
log10ws	-1.78		Crippen Method
logp	1.790		Crippen Method
mcvol	89.060	ml/mol	McGowan Method
pc	5636.27	kPa	Joback Method
tb	507.38	K	Joback Method
tc	736.25	K	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C104916&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

hf:	Enthalpy of formation at standard conditions
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
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature