Phenol, 2,6-dimethyl-4-nitroso-

Other names:	2,6-Dimethyl-p-nitrosophenol
	2,6-Dimethyl-4-nitrosophenol
	2,6-Xylenol, 4-nitroso-
	4-Nitroso-2,6-xylenol
	2.6-dimethyl-4-nitrosophenol
Inchi:	InChI=1S/C8H9NO2/c1-5-3-7(9-11)4-6(2)8(5)10/h3-4,10H,1-2H3
InchiKey:	JLGGFXVVFUIJBA-UHFFFAOYSA-N
Formula:	C8H9NO2
SMILES:	Cc1cc(N=O)cc(C)c1O
Mol. weight [g/mol]:	151.16
CAS:	13331-93-6

Physical Properties

Property code	Value	Unit	Source
hf	-340.36	kJ/mol	Joback Method
hvap	59.11	kJ/mol	Joback Method
log10ws	-2.73		Crippen Method
logp	2.407		Crippen Method
mcvol	117.240	ml/mol	McGowan Method
pc	4140.93	kPa	Joback Method
tb	563.10	K	Joback Method
tc	786.03	K	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C13331936&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

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