Benzene, 1-chloro-4-nitroso-

Other names:	p-Chloronitrosobenzene
	p-Nitrosochlorobenzene
	1-Chloro-4-nitrosobenzene
	4-Chloro-1-nitrosobenzene
	4-Chloronitrosobenzene
Inchi:	InChI=1S/C6H4ClNO/c7-5-1-3-6(8-9)4-2-5/h1-4H
InchiKey:	IEYSGPZUULPJPQ-UHFFFAOYSA-N
Formula:	C6H4ClNO
SMILES:	O=Nc1ccc(Cl)cc1
Mol. weight [g/mol]:	141.56
CAS:	932-98-9

Physical Properties

Property code	Value	Unit	Source
hf	-126.04	kJ/mol	Joback Method
hvap	45.37	kJ/mol	Joback Method
ie	9.02	eV	NIST Webbook
ie	9.00 ± 0.10	eV	NIST Webbook
log10ws	-2.92		Crippen Method
logp	2.738		Crippen Method
mcvol	95.430	ml/mol	McGowan Method
pc	4255.16	kPa	Joback Method
tb	469.17	K	Joback Method
tc	690.65	K	Joback Method

Sources

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C932989&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
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