Benzene, 1-methyl-2-nitroso-

Other names:	Toluene, o-nitroso-
	o-Methylnitrosobenzene
	o-Nitrosotoluene
	1-Methyl-2-nitrosobenzene
	2-Methyl-1-nitrosobenzene
	2-Nitrosotoluene
	Nitrosotoluene
Inchi:	InChI=1S/C7H7NO/c1-6-4-2-3-5-7(6)8-9/h2-5H,1H3
InchiKey:	TWLBRQVYXPMCFK-UHFFFAOYSA-N
Formula:	C7H7NO
SMILES:	Cc1ccccc1N=O
Mol. weight [g/mol]:	121.14
CAS:	611-23-4

Physical Properties

Property code	Value	Unit	Source
hf	-130.94	kJ/mol	Joback Method
hvap	43.21	kJ/mol	Joback Method
log10ws	-2.71		Crippen Method
logp	2.393		Crippen Method
mcvol	97.280	ml/mol	McGowan Method
pc	3945.61	kPa	Joback Method
tb	454.62	K	Joback Method
tc	666.63	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=C611234&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
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