Benzenemethanamine, N-methyl-N-nitroso-

Other names:	Benzylamine, N-methyl-N-nitroso-
	Benzylmethylnitrosamine
	Methylbenzylnitrosamine
	N-Methyl-N-benzylnitrosamine
	N-Methyl-N-nitrosobenzylamine
	N-Nitrosobenzylmethylamine
	Methyl-benzyl-nitrosoamin
	N-Nitrosomethylbenzylamine
	Benzenemethaneamine, N-methyl-N-nitroso
	N-Nitroso-N-methylbenzylamine
Inchi:	InChI=1S/C8H10N2O/c1-10(9-11)7-8-5-3-2-4-6-8/h2-6H,7H2,1H3
InchiKey:	NGXUJKBJBFLCAR-UHFFFAOYSA-N
Formula:	C8H10N2O
SMILES:	CN(Cc1ccccc1)N=O
Mol. weight [g/mol]:	150.18
CAS:	937-40-6

Physical Properties

Property code	Value	Unit	Source
hf	-72.58	kJ/mol	Joback Method
hvap	46.82	kJ/mol	Joback Method
log10ws	-2.52		Crippen Method
logp	1.800		Crippen Method
mcvol	121.350	ml/mol	McGowan Method
pc	3564.27	kPa	Joback Method
tb	484.96	K	Joback Method
tc	689.94	K	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C937406&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