Benzenamine, N-ethyl-N-nitroso-

Other names:	Aniline, N-ethyl-N-nitroso-
	Ethylnitrosoaniline
	N-Ethyl-N-nitrosoaniline
	N-Nitroso-N-ethylaniline
	Nitrosoethylaniline
	Nitrosoethylphenylamine
	NEA
	N-Ethyl-N-phenylnitrosamine
	N-Nitrosoethylphenylamine
	NSC 405070
Inchi:	InChI=1S/C8H10N2O/c1-2-10(9-11)8-6-4-3-5-7-8/h3-7H,2H2,1H3
InchiKey:	WXRXVZXYLBWKRG-UHFFFAOYSA-N
Formula:	C8H10N2O
SMILES:	CCN(N=O)c1ccccc1
Mol. weight [g/mol]:	150.18
CAS:	612-64-6

Physical Properties

Property code	Value	Unit	Source
chs	-4679.80	kJ/mol	NIST Webbook
hf	-72.58	kJ/mol	Joback Method
hvap	46.82	kJ/mol	Joback Method
log10ws	-2.56		Crippen Method
logp	2.194		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

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C612646&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

chs:	Standard solid enthalpy of combustion
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