1-Butanamine, N-ethyl-N-nitroso-

Other names:	Butylamine, N-ethyl-N-nitroso-
	N-Butyl-N-ethylnitrosamine
	N-Ethyl-N-nitrosobutylamine
	N-Nitrosoethyl-N-butylamine
	Aethyl-N-butyl-nitrosoamin
	Butanamine, N-ethyl-N-nitroso-
	Ethyl-N-butylnitrosamine
	N-Nitroso-N-butylethylamine
	Nitrosoethylbutylamine
	Butylethylnitrosamin
	N-Ethyl-N-butylnitrosamine
	NSC 135
Inchi:	InChI=1S/C6H14N2O/c1-3-5-6-8(4-2)7-9/h3-6H2,1-2H3
InchiKey:	ZGMCNGHHUQZNIH-UHFFFAOYSA-N
Formula:	C6H14N2O
SMILES:	CCCCN(CC)N=O
Mol. weight [g/mol]:	130.19
CAS:	4549-44-4

Physical Properties

Property code	Value	Unit	Source
hf	-267.83	kJ/mol	Joback Method
hvap	40.09	kJ/mol	Joback Method
log10ws	-2.09		Crippen Method
logp	1.790		Crippen Method
mcvol	116.930	ml/mol	McGowan Method
pc	3038.96	kPa	Joback Method
tb	412.52	K	Joback Method
tc	578.47	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=C4549444&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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