

Urea, N-ethyl-N-nitroso-

Other names:	1-Ethyl-1-Nitrosourea 1-Ethyl-1-nitrosomocovina 1-nitroso-1-ethylurea AENH Aethylnitroso-harnstoff Carbamide, N-ethyl-N-nitroso- ENU Ethylnitrosourea N-Ethyl-N-nitrosourea N-Ethylnitrosourea N-Nitroso-N-ethylurea NEU NSC 45403 Nitrosoethylurea Rcra waste number U176 Urea, 1-ethyl-1-nitroso-
Inchi:	InChI=1S/C3H7N3O2/c1-2-6(5-8)3(4)7/h2H2,1H3,(H2,4,7)
InchiKey:	FUSGACRLAFQQQL-UHFFFAOYSA-N
Formula:	C3H7N3O2
SMILES:	CCN(N=O)C(N)=O
Mol. weight [g/mol]:	117.11
CAS:	759-73-9

Physical Properties

Property code	Value	Unit	Source
hf	-284.70	kJ/mol	Joback Method
hvap	50.80	kJ/mol	Joback Method
log10ws	-0.96		Aqueous Solubility Prediction Method
logp	0.068		Crippen Method
mcvol	86.210	ml/mol	McGowan Method
pc	5058.59	kPa	Joback Method
tb	470.28	K	Joback Method
tc	664.64	K	Joback Method

Sources

Aqueous Solubility Prediction Method:	http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDataset002.xlsx
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C759739&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Joback Method:	https://en.wikipedia.org/wiki/Joback_method

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

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