Urea, 3-cyclohexyl-1-(2-ethylthio)ethyl-1-nitroso-

Inchi: InChI=1S/C11H21N3O2S/c1-2-17-9-8-14(13-16)11(15)12-10-6-4-3-5-7-10/h10H,2-9H2,1

InchiKey: BOFHWUNICAJYNS-UHFFFAOYSA-N

Formula: C11H21N3O2S

SMILES: CCSCCN(N=O)C(=O)NC1CCCCC1

Mol. weight [g/mol]: 259.37

Physical Properties

Property code	Value	Unit	Source
hf	-333.95	kJ/mol	Joback Method
hvap	71.65	kJ/mol	Joback Method
log10ws	-4.01		Crippen Method
logp	2.765		Crippen Method
mcvol	204.420	ml/mol	McGowan Method
pc	2510.03	kPa	Joback Method
tb	719.29	K	Joback Method
tc	932.61	K	Joback Method

Sources

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=B6008704&Units=SI

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