Urea], 1,1'-p-phenylene-bis[3-methyl-3-nitroso-

Inchi: InChI=1S/C10H12N6O4/c1-15(13-19)9(17)11-7-3-5-8(6-4-7)12-10(18)16(2)14-20/h3-6H,
InchiKey: XWTMEUYWKVLMRL-UHFFFAOYSA-N
Formula: C10H12N6O4
SMILES: CN(N=O)C(=O)Nc1ccc(NC(=O)N(C)N=O)cc1
Mol. weight [g/mol]: 280.24
CAS: 94602-15-0

Physical Properties

Property code	Value	Unit	Source
hf	-344.21	kJ/mol	Joback Method
hvap	89.44	kJ/mol	Joback Method
log10ws	-3.34		Crippen Method
logp	1.977		Crippen Method
mcvol	194.160	ml/mol	McGowan Method
pc	3265.31	kPa	Joback Method
tb	819.62	K	Joback Method
tc	1029.77	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=C94602150&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