Urea, N,N-diphenyl-N'-ethyl-

Inchi: InChI=1S/C15H16N2O/c1-2-16-15(18)17(13-9-5-3-6-10-13)14-11-7-4-8-12-14/h3-12H,2H
InchiKey: DIPWJRHVODJXKP-UHFFFAOYSA-N
Formula: C15H16N2O
SMILES: CCN=C(O)N(c1ccccc1)c1ccccc1
Mol. weight [g/mol]: 240.30

Physical Properties

Property code	Value	Unit	Source
hf	107.86	kJ/mol	Joback Method
hvap	75.65	kJ/mol	Joback Method
log10ws	-3.49		Crippen Method
logp	3.759		Crippen Method
mcvol	196.220	ml/mol	McGowan Method
pc	2485.07	kPa	Joback Method
rinpol	2086.00		NIST Webbook
tb	777.14	K	Joback Method
tc	1006.12	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=U407546&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature