Urea, N,N-diphenyl-N'-hexyl-

Inchi: InChI=1S/C19H24N2O/c1-2-3-4-11-16-20-19(22)21(17-12-7-5-8-13-17)18-14-9-6-10-15-
InchiKey: KLSMWXFMMNUXAM-UHFFFAOYSA-N
Formula: C19H24N2O
SMILES: CCCCCCN=C(O)N(c1ccccc1)c1ccccc1
Mol. weight [g/mol]: 296.41

Physical Properties

Property code	Value	Unit	Source
hf	25.30	kJ/mol	Joback Method
hvap	84.56	kJ/mol	Joback Method
log10ws	-5.17		Crippen Method
logp	5.319		Crippen Method
mcvol	252.580	ml/mol	McGowan Method
pc	1750.67	kPa	Joback Method
rinpol	2485.00		NIST Webbook
rinpol	2485.00		NIST Webbook
tb	868.66	K	Joback Method
tc	1087.79	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=U407553&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature