Urea, N,N-diphenyl-N'-undecyl-

Inchi: InChI=1S/C24H34N2O/c1-2-3-4-5-6-7-8-9-16-21-25-24(27)26(22-17-12-10-13-18-22)23-
InchiKey: ISELBVGOGJZIML-UHFFFAOYSA-N
Formula: C24H34N2O
SMILES: CCCCCCCCCCCN=C(O)N(c1ccccc1)c1ccccc1
Mol. weight [g/mol]: 366.54

Physical Properties

Property code	Value	Unit	Source
hf	-77.90	kJ/mol	Joback Method
hvap	95.69	kJ/mol	Joback Method
log10ws	-7.26		Crippen Method
logp	7.270		Crippen Method
mcvol	323.030	ml/mol	McGowan Method
pc	1214.05	kPa	Joback Method
rinpol	3009.00		NIST Webbook
rinpol	3009.00		NIST Webbook
tb	983.06	K	Joback Method
tc	1205.97	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=U407559&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