Urea, N,N'-bis(phenylmethyl)-

Other names:	sym-Dibenzylurea
	N,N'-Dibenzylurea
	1,3-Dibenzylurea
	N,N'-Dibenzylharnstoff
Inchi:	InChI=1S/C15H16N2O/c18-15(16-11-13-7-3-1-4-8-13)17-12-14-9-5-2-6-10-14/h1-10H,11
InchiKey:	KATOLVAXCGIBLO-UHFFFAOYSA-N
Formula:	C15H16N2O
SMILES:	OC(=NCc1ccccc1)NCc1ccccc1
Mol. weight [g/mol]:	240.30
CAS:	1466-67-7

Physical Properties

Property code	Value	Unit	Source
hf	93.80	kJ/mol	Joback Method
hvap	80.05	kJ/mol	Joback Method
log10ws	-3.97		Crippen Method
logp	2.890		Crippen Method
mcvol	196.220	ml/mol	McGowan Method
pc	2522.65	kPa	Joback Method
rinpol	2401.90		NIST Webbook
rinpol	2401.90		NIST Webbook
tb	814.87	K	Joback Method
tc	1045.45	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=C1466677&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