Urea, 1-(2',4'-di-tert-butylphenyl)-3-isopropyl-

Inchi: InChI=1S/C18H30N2O/c1-12(2)19-16(21)20-15-10-9-13(17(3,4)5)11-14(15)18(6,7)8/h9-1
InchiKey: JXEQUBFSUKRCTN-UHFFFAOYSA-N
Formula: C18H30N2O
SMILES: CC(C)N=C(O)Nc1ccc(C(C)(C)C)cc1C(C)(C)C
Mol. weight [g/mol]: 290.44

Physical Properties

Property code	Value	Unit	Source
hf	-250.37	kJ/mol	Joback Method
hvap	82.79	kJ/mol	Joback Method
log10ws	-4.95		Crippen Method
logp	5.016		Crippen Method
mcvol	262.250	ml/mol	McGowan Method
pc	1486.14	kPa	Joback Method
tb	859.89	K	Joback Method
tc	1075.55	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=B6009303&Units=SI
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

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