Acetanilide, 2,6-di-isopropyl-4-tert-butyl-

Inchi: InChI=1S/C18H29NO/c1-11(2)15-9-14(18(6,7)8)10-16(12(3)4)17(15)19-13(5)20/h9-12H,
InchiKey: BQEQSRVMHCNBTC-UHFFFAOYSA-N
Formula: C18H29NO
SMILES: CC(O)=Nc1c(C(C)C)cc(C(C)(C)C)cc1C(C)C
Mol. weight [g/mol]: 275.43

Physical Properties

Property code	Value	Unit	Source
hf	-311.84	kJ/mol	Joback Method
hvap	77.93	kJ/mol	Joback Method
log10ws	-5.54		Crippen Method
logp	5.839		Crippen Method
mcvol	252.270	ml/mol	McGowan Method
pc	1442.44	kPa	Joback Method
tb	817.49	K	Joback Method
tc	1027.39	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=B6009295&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature