Benzamide, N-(1,1-dimethylethyl)-

Other names:	Benzamide, N-tert-butyl- N-tert-Butylbenzamide N-t-Butylbenzamide
Inchi:	InChI=1S/C11H15NO/c1-11(2,3)12-10(13)9-7-5-4-6-8-9/h4-8H,1-3H3,(H,12,13)
InchiKey:	HYWWTHOGCJXTRI-UHFFFAOYSA-N
Formula:	C11H15NO
SMILES:	CC(C)(C)N=C(O)c1ccccc1
Mol. weight [g/mol]:	177.24
CAS:	5894-65-5

Physical Properties

Property code	Value	Unit	Source
hf	-122.39	kJ/mol	Joback Method
hvap	61.13	kJ/mol	Joback Method
log10ws	-2.73		Crippen Method
logp	2.790		Crippen Method
mcvol	153.640	ml/mol	McGowan Method
pc	2679.08	kPa	Joback Method
tb	643.27	K	Joback Method
tc	862.79	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=C5894655&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature