1,2-Bis(tert-butylimino)ethane

Other names:	1,2-Di(N-tert-butylimino)ethane
	1,4-Di-tert-butyl-1,4-diazabutadiene
	1,4-Diazabutadiene, 1,4-di-tert-butyl-
	2-Propanamine, N,N'-1,2-ethanediylidenebis[2-methyl-
	Bis(tert-butylimino)ethane
	Ethylamine, N,N'-ethanediylidenebis[1,1-dimethyl-
	N,N'-Di-tert-butylethanediimine
	N-(2-([1,1-Dimethylethyl]imino)ethylidene)-2-methyl-2-propanamine
Inchi:	InChI=1S/C10H20N2/c1-9(2,3)11-7-8-12-10(4,5)6/h7-8H,1-6H3
InchiKey:	HACCVLBYBQLWMC-UHFFFAOYSA-N
Formula:	C10H20N2
SMILES:	CC(C)(C)N=CC=NC(C)(C)C
Mol. weight [g/mol]:	168.28
CAS:	30834-74-3

Physical Properties

Property code	Value	Unit	Source
hf	-102.79	kJ/mol	Joback Method
hvap	41.89	kJ/mol	Joback Method
ie	8.50	eV	NIST Webbook
ie	9.26	eV	NIST Webbook
log10ws	-2.56		Crippen Method
logp	2.725		Crippen Method
mcvol	163.120	ml/mol	McGowan Method
pc	1810.77	kPa	Joback Method
tb	575.10	K	Joback Method
tc	796.40	K	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C24764883&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
ie:	Ionization energy
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