N-Ethylidene t-butylamine

Other names:	t-Butylethylideneamine
	Ethanimine, N-t-butyl-
	N-(Ethylidene)-2-methyl-2-propanamine
	(E) N-t-Butyl acetaldimine
Inchi:	InChI=1S/C6H13N/c1-5-7-6(2,3)4/h5H,1-4H3
InchiKey:	RPVBCVQKDPOMII-UHFFFAOYSA-N
Formula:	C6H13N
SMILES:	CC=NC(C)(C)C
Mol. weight [g/mol]:	99.17
CAS:	7020-80-6

Physical Properties

Property code	Value	Unit	Source
hf	-93.70	kJ/mol	Joback Method
hvap	30.97	kJ/mol	Joback Method
log10ws	-1.61		Crippen Method
logp	1.876		Crippen Method
mcvol	101.080	ml/mol	McGowan Method
pc	2829.33	kPa	Joback Method
tb	354.50 ± 0.50	K	NIST Webbook
tc	610.63	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=C7020806&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

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