

N,N'-Di-t-butylethanedialdimine

Inchi:	InChI=1S/C10H20N2/c1-9(2,3)11-7-8-12-10(4,5)6/h7-8H,1-6H3/b11-7+,12-8+
InchiKey:	HACCVLBYBQLWMC-MKICQXMISA-N
Formula:	C10H20N2
SMILES:	CC(C)(C)N=CC=NC(C)(C)C
Mol. weight [g/mol]:	168.28
CAS:	24764-88-3

Physical Properties

Property code	Value	Unit	Source
hf	-102.79	kJ/mol	Joback Method
hvap	41.89	kJ/mol	Joback Method
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

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
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

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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