N''-Pentyl-N,N,N',N'-tetramethyl -guanidine

Inchi: InChI=1S/C10H23N3/c1-6-7-8-9-11-10(12(2)3)13(4)5/h6-9H2,1-5H3
InchiKey: QQSZBVNIFZFYBW-UHFFFAOYSA-N
Formula: C10H23N3
SMILES: CCCCCN=C(N(C)C)N(C)C
Mol. weight [g/mol]: 185.31

Physical Properties

Property code	Value	Unit	Source
hf	-42.24	kJ/mol	Joback Method
hvap	45.33	kJ/mol	Joback Method
log10ws	-1.30		Crippen Method
logp	1.656		Crippen Method
mcvol	177.400	ml/mol	McGowan Method
pc	1920.30	kPa	Joback Method
rinpol	1243.00		NIST Webbook
rinpol	1243.00		NIST Webbook
tb	529.64	K	Joback Method
tc	709.62	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=R153165&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature