Tert-butyl-(1,1,3,3-tetra-methylbutyl)diazene

Inchi: InChI=1S/C12H26N2/c1-10(2,3)9-12(7,8)14-13-11(4,5)6/h9H2,1-8H3/b14-13+
InchiKey: OWSDKJHFKVXOPH-BUHFOSPRSA-N
Formula: C12H26N2
SMILES: CC(C)(C)CC(C)(C)N=NC(C)(C)C
Mol. weight [g/mol]: 198.35
CAS: 57905-89-2

Physical Properties

Property code	Value	Unit	Source
chl	-8265.00 ± 5.40	kJ/mol	NIST Webbook
hf	-119.00 ± 5.40	kJ/mol	NIST Webbook
hfl	-173.00 ± 5.40	kJ/mol	NIST Webbook
hvap	53.60 ± 0.20	kJ/mol	NIST Webbook
hvap	54.00	kJ/mol	NIST Webbook
log10ws	-4.09		Crippen Method
logp	4.452		Crippen Method
mcvol	195.600	ml/mol	McGowan Method
pc	1508.15	kPa	Joback Method
tb	613.47	K	Joback Method
tc	830.61	K	Joback Method

Sources

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=C57905892&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

chl:	Standard liquid enthalpy of combustion
hf:	Enthalpy of formation at standard conditions
hfl:	Liquid phase 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