N,N'-Di-t-butylethylenediamine

Other names:	N,N'-di-tert-Butyl-ethylenediamine
	1,2-Ethanediamine, N,N'-bis(1,1-dimethylethyl)-
	N,N'-bis(tert-butyl)ethylenediamine
Inchi:	InChI=1S/C10H24N2/c1-9(2,3)11-7-8-12-10(4,5)6/h11-12H,7-8H2,1-6H3
InchiKey:	KGHYGBGIWLNFAV-UHFFFAOYSA-N
Formula:	C10H24N2
SMILES:	CC(C)(C)NCCNC(C)(C)C
Mol. weight [g/mol]:	172.32

Physical Properties

Property code	Value	Unit	Source
hfus	17.03	kJ/mol	Joback Method
logp	1.763		Crippen Method
mcvol	171.720	ml/mol	McGowan Method
tb	465.34	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	428.23	J/mol×K	522.08	Joback Method
cpg	445.91	J/mol×K	553.61	Joback Method
cpg	462.58	J/mol×K	585.14	Joback Method
cpg	478.29	J/mol×K	616.66	Joback Method
cpg	493.10	J/mol×K	648.19	Joback Method
cpg	507.04	J/mol×K	679.72	Joback Method
cpg	520.19	J/mol×K	711.25	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C4062606&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature