N'-cyano-N,N-dimethyl formamidine

Inchi: InChI=1S/C4H7N3/c1-7(2)4-6-3-5/h4H,1-2H3/b6-4+
InchiKey: QFHAGCRNENPASY-GQCTYLIASA-N
Formula: C4H7N3
SMILES: CN(C)C=NC#N
Mol. weight [g/mol]: 97.12
CAS: 39687-97-3

Physical Properties

Property code	Value	Unit	Source
affp	889.70	kJ/mol	NIST Webbook
basg	857.30	kJ/mol	NIST Webbook
hf	188.74	kJ/mol	Joback Method
hvap	40.33	kJ/mol	Joback Method
log10ws	-0.09		Crippen Method
logp	0.057		Crippen Method
mcvol	84.260	ml/mol	McGowan Method
pc	3325.84	kPa	Joback Method
tb	482.12	K	Joback Method
tc	693.97	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C39687973&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

affp: Proton affinity

basg:	Gas basicity
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