N,N-Dimethyl-N'-(3-methyl-2,6-dioxotetrahydro-2H

Inchi: InChI=1S/C9H14N2O3/c1-9(10-6-11(2)3)5-4-7(12)14-8(9)13/h6H,4-5H2,1-3H3
InchiKey: AXEGEIZVRRZRTE-UHFFFAOYSA-N
Formula: C9H14N2O3
SMILES: CN(C)C=NC1(C)CCC(=O)OC1=O
Mol. weight [g/mol]: 198.22

Physical Properties

Property code	Value	Unit	Source
hf	-417.18	kJ/mol	Joback Method
hvap	53.27	kJ/mol	Joback Method
log10ws	-0.46		Crippen Method
logp	0.199		Crippen Method
mcvol	151.480	ml/mol	McGowan Method
pc	2835.36	kPa	Joback Method
rinpol	1497.00		NIST Webbook
rinpol	1497.00		NIST Webbook
tb	676.82	K	Joback Method
tc	926.76	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=U375784&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