Acetamide, N-(1,1,3,3-tetramethylbutyl)-

Other names: N-(1,1,3,3-Tetramethylbutyl)acetamide
Inchi: InChI=1S/C10H21NO/c1-8(12)11-10(5,6)7-9(2,3)4/h7H2,1-6H3,(H,11,12)
InchiKey: NXQYSOPMKXVSTC-UHFFFAOYSA-N
Formula: C10H21NO
SMILES: CC(O)=NC(C)(C)CC(C)(C)C
Mol. weight [g/mol]: 171.28
CAS: 5459-42-7

Physical Properties

Property code	Value	Unit	Source
hf	-347.03	kJ/mol	Joback Method
hvap	55.34	kJ/mol	Joback Method
log10ws	-2.86		Crippen Method
logp	3.178		Crippen Method
mcvol	163.310	ml/mol	McGowan Method
pc	2167.36	kPa	Joback Method
tb	590.48	K	Joback Method
tc	785.07	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C5459427&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
McGowan Method: http://link.springer.com/article/10.1007/BF02311772

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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature