Acetamide, n-methyl-2-(n-methylanilino)-

Inchi: InChI=1S/C10H14N2O/c1-11-10(13)8-12(2)9-6-4-3-5-7-9/h3-7H,8H2,1-2H3,(H,11,13)
InchiKey: BXONFOAEJWSOJO-UHFFFAOYSA-N
Formula: C10H14N2O
SMILES: CN=C(O)CN(C)c1ccccc1
Mol. weight [g/mol]: 178.23
CAS: 82898-85-9

Physical Properties

Property code	Value	Unit	Source
hf	-25.47	kJ/mol	Joback Method
hvap	62.25	kJ/mol	Joback Method
log10ws	-1.20		Crippen Method
logp	1.709		Crippen Method
mcvol	149.530	ml/mol	McGowan Method
pc	2899.85	kPa	Joback Method
tb	636.06	K	Joback Method
tc	844.31	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C82898859&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