Methacrylamide, N-(3-methylbutyl)-

Inchi: InChI=1S/C9H17NO/c1-7(2)5-6-10-9(11)8(3)4/h7H,3,5-6H2,1-2,4H3,(H,10,11)
InchiKey: IOTUYWDLDODZIW-UHFFFAOYSA-N
Formula: C9H17NO
SMILES: C=C(C)C(O)=NCCC(C)C
Mol. weight [g/mol]: 155.24

Physical Properties

Property code	Value	Unit	Source
hf	-198.53	kJ/mol	Joback Method
hvap	54.72	kJ/mol	Joback Method
log10ws	-2.18		Crippen Method
logp	2.565		Crippen Method
mcvol	144.920	ml/mol	McGowan Method
pc	2414.74	kPa	Joback Method
rinpol	1275.00		NIST Webbook
rinpol	1275.00		NIST Webbook
tb	570.18	K	Joback Method
tc	756.76	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U407966&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature