Methacrylamide, N-propyl-

Inchi: InChI=1S/C7H13NO/c1-4-5-8-7(9)6(2)3/h2,4-5H2,1,3H3,(H,8,9)
InchiKey: CCIDRBFZPRURMU-UHFFFAOYSA-N
Formula: C7H13NO
SMILES: C=C(C)C(O)=NCCC
Mol. weight [g/mol]: 127.18

Physical Properties

Property code	Value	Unit	Source
hf	-151.97	kJ/mol	Joback Method
hvap	50.66	kJ/mol	Joback Method
log10ws	-1.59		Crippen Method
logp	1.929		Crippen Method
mcvol	116.740	ml/mol	McGowan Method
pc	2918.68	kPa	Joback Method
rinpol	1106.00		NIST Webbook
rinpol	1106.00		NIST Webbook
tb	524.86	K	Joback Method
tc	711.99	K	Joback Method

Sources

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=U407963&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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