

Methacrylamide, N-heptyl-

Inchi:	InChI=1S/C11H21NO/c1-4-5-6-7-8-9-12-11(13)10(2)3/h2,4-9H2,1,3H3,(H,12,13)
InchiKey:	XCYRHAIYAPLAOA-UHFFFAOYSA-N
Formula:	C11H21NO
SMILES:	C=C(C)C(O)=NCCCCCCC
Mol. weight [g/mol]:	183.29

Physical Properties

Property code	Value	Unit	Source
hf	-234.53	kJ/mol	Joback Method
hvap	59.56	kJ/mol	Joback Method
log10ws	-3.26		Crippen Method
logp	3.489		Crippen Method
mcvol	173.100	ml/mol	McGowan Method
pc	2001.91	kPa	Joback Method
rinpol	1516.00		NIST Webbook
rinpol	1516.00		NIST Webbook
tb	616.38	K	Joback Method
tc	796.23	K	Joback Method

Sources

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=U407969&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I

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

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