Propanamide, N-propyl-

Inchi: InChI=1S/C6H13NO/c1-3-5-7-6(8)4-2/h3-5H2,1-2H3,(H,7,8)
InchiKey: YUMCRXLLWKQDJY-UHFFFAOYSA-N
Formula: C6H13NO
SMILES: CCCN=C(O)CC
Mol. weight [g/mol]: 115.17
CAS: 3217-86-5

Physical Properties

Property code	Value	Unit	Source
hf	-246.97	kJ/mol	Joback Method
hvap	49.02	kJ/mol	Joback Method
log10ws	-1.32		Crippen Method
logp	1.763		Crippen Method
mcvol	106.950	ml/mol	McGowan Method
pc	3079.57	kPa	Joback Method
rinpol	1040.00		NIST Webbook
rinpol	1040.00		NIST Webbook
tb	505.42	K	Joback Method
tc	687.80	K	Joback Method

Sources

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
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C3217865&Units=SI

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

Latest version available from:
https://www.chemeo.com/cid/92-144-0/Propanamide-N-propyl.pdf
Generated by Cheméo on 2024-04-29 11:54:43.930577988 +0000 UTC m=+16680932.851155300.
Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.