Butanamide, N-ethyl-

Other names:	Butyramide, N-ethyl- N-Ethylbutyramide
Inchi:	InChI=1S/C6H13NO/c1-3-5-6(8)7-4-2/h3-5H2,1-2H3,(H,7,8)
InchiKey:	DHCJWWQFOMHARO-UHFFFAOYSA-N
Formula:	C6H13NO
SMILES:	CCCC(O)=NCC
Mol. weight [g/mol]:	115.17
CAS:	13091-16-2

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	1044.00		NIST Webbook
tb	505.42	K	Joback Method
tc	687.80	K	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C13091162&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