

N-[2-(2-hydroxyethoxy)ethyl]formamide

Inchi:	InChI=1S/C5H11NO3/c7-2-4-9-3-1-6-5-8/h5,7H,1-4H2,(H,6,8)
InchiKey:	XSFKXJUCOOIVRH-UHFFFAOYSA-N
Formula:	C5H11NO3
SMILES:	OC=NCCOCCO
Mol. weight [g/mol]:	133.15
CAS:	71172-48-0

Physical Properties

Property code	Value	Unit	Source
hf	-500.99	kJ/mol	Joback Method
hvap	65.81	kJ/mol	Joback Method
log10ws	0.75		Crippen Method
logp	-0.418		Crippen Method
mcvol	104.600	ml/mol	McGowan Method
pc	3736.23	kPa	Joback Method
tb	597.26	K	Joback Method
tc	770.27	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=C71172480&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

Latest version available from:

<https://www.cheméo.com/cid/91-732-8/N-2-2-hydroxyethoxy-ethyl-formamide.pdf>

Generated by Cheméo on 2025-12-23 16:13:33.521173994 +0000 UTC m=+6254611.051214659.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.