

1-(2-Hydroxyethyl)-2-imidazolidinone

Other names:	2-Imidazolidinone, 1-(2-hydroxyethyl)-Hydroxyethylethyleneurea 1-(2-hydroxyethyl)imidazolidin-2-one
Inchi:	InChI=1S/C5H10N2O2/c8-4-3-7-2-1-6-5(7)9/h8H,1-4H2,(H,6,9)
InchiKey:	HBAIZGPCSAAFSU-UHFFFAOYSA-N
Formula:	C5H10N2O2
SMILES:	O=C1NCCN1CCO
Mol. weight [g/mol]:	130.15
CAS:	3699-54-5

Physical Properties

Property code	Value	Unit	Source
log10ws	0.41		Crippen Method
logp	-0.996		Crippen Method
mcvol	97.850	ml/mol	McGowan Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	458.00	K	0.47	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C3699545&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tbrp:	Boiling point at reduced pressure

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