

1-Hydroxy-L-proline

Inchi:	InChI=1S/C5H9NO3/c7-5(8)4-2-1-3-6(4)9/h4,9H,1-3H2,(H,7,8)/t4-/m1/s1
InchiKey:	FGMPLJWBKKVCDB-SCSAIBSYSA-N
Formula:	C5H9NO3
SMILES:	O=C(O)C1CCCN1O
Mol. weight [g/mol]:	131.13
CAS:	18610-59-8

Physical Properties

Property code	Value	Unit	Source
chs	-2592.70 ± 1.80	kJ/mol	NIST Webbook
log10ws	0.76		Crippen Method
logp	-0.075		Crippen Method
mcvol	93.740	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C18610598&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

chs:	Standard solid enthalpy of combustion
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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