Hydronium cation

Inchi:	InChI=1S/H2O/h1H2/p+1
InchiKey:	XLYOFNOQVPJJNP-UHFFFAOYSA-O
Formula:	H3O+
SMILES:	[OH3+]
Mol. weight [g/mol]:	19.02
CAS:	13968-08-6

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.39		Crippen Method
logp	-0.922		Crippen Method
mcvol	18.880	ml/mol	McGowan Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C13968086&Units=SI

Legend

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

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