

# Thiazolo[3,2-a]pyridinium, 2,3-dihydro-8-hydroxy-, hydroxide, inner salt

**Other names:** Dihydrothiazolo[3,2-a]pyridinium 8-oxide  
**Inchi:** InChI=1S/C7H7NOS/c9-6-2-1-3-8-4-5-10-7(6)8/h1-3H,4-5H2  
**InchiKey:** UQOJAMOQNDLMOU-UHFFFAOYSA-N  
**Formula:** C7H7NOS  
**SMILES:** [O-]c1ccc[n+]2c1SCC2  
**Mol. weight [g/mol]:** 153.20  
**CAS:** 23003-45-4

## Physical Properties

Property code	Value	Unit	Source
ie	7.12 ± 0.05	eV	NIST Webbook
log10ws	-5.05		Crippen Method
logp	0.153		Crippen Method
mcvol	107.070	ml/mol	McGowan Method

## Sources

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C23003454&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

## Legend

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

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