# Thiazolo[3,2-a]pyridinium, 8-hydroxy-5-methyl-, hydroxide, inner salt

**Inchi:** InChI=1S/C8H7NOS/c1-6-2-3-7(10)8-9(6)4-5-11-8/h2-5H,1H3
**InchiKey:** DESPLGBYAULRQC-UHFFFAOYSA-N
**Formula:** C8H7NOS
**SMILES:** Cc1ccc([O-])c2scc[n+]12
**Mol. weight [g/mol]:** 165.21
**CAS:** 30277-17-9

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| ie | 7.03 ± 0.05 | eV | NIST Webbook |
| log10ws | -5.76 | | Crippen Method |
| logp | 0.869 | | Crippen Method |
| mcvol | 116.860 | 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=C30277179&Units=SI

## Legend

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

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