

# Sulfathiazole

**Other names:**

- 2-(Sulfanilylamino)thiazole
- 2-(p-Aminobenzenesulfonamido)thiazole
- 2-(p-Aminobenzenesulphonamido)thiazole
- 2-Sulfanilamidothiazol
- 2-Sulfanilamidothiazole
- 2-Sulfathiazole
- 2090 R.P.
- 4-Amino-N-2-thiazolylbenzenesulfonamide
- 4-Amino-N-2-thiazolylbenzenesulfonamide (sulfathiazole)
- 4-[(1,3-Thiazol-2-yl)aminosulfonyl]aniline
- Azoquimiol
- Azoseptale
- Benzenesulfonamide, 4-amino-N-2-thiazolyl-
- Cerazol
- Cerazol (suspension)
- Cerazole
- Chemosept
- Ciba 3714
- Cibazol
- Coco-Thiazole
- Duatok
- Dulana
- Eleudron
- Enterobiocine
- Estafilol
- Formosulfathiazole
- M&B 760
- M+B 760
- N'-(2-Thiazolyl)sulfanilamide
- N(Sup1)-(2-Thiazolyl)sulfanilamide
- N-(2-thiazolyl)sulfanilamide
- N-1-2-Thiazolylsulfanilamide
- Neostrepsan
- Norsulfasol
- Norsulfazole
- Planomide
- Poliseptil
- RP 2090
- Sanotiazol
- Septozol

Streptosilthiazole  
 Sulfamul  
 Sulfanilamide, N(sup1)-2-thiazolyl-  
 Sulfanilamide, N1-2-thiazolyl-  
 Sulfanilamide, N1-4-thiazolin-2-ylidene-  
 Sulfanilamidothiazole  
 Sulfathiazol  
 Sulfavitina  
 Sulfocerol  
 Sulphathiazole  
 Sulzol  
 Thiaccoccine  
 Thiasulfol  
 Thiazamide  
 Thiozamide  
 USAF SN-9  
 Wintrazole

**Inchi:** InChI=1S/C9H9N3O2S2/c10-7-1-3-8(4-2-7)16(13,14)12-9-11-5-6-15-9/h1-6H,10H2,(H,1  
**InchiKey:** JNMRHUJNCSQMMB-UHFFFAOYSA-N  
**Formula:** C9H9N3O2S2  
**SMILES:** Nc1ccc(S(=O)(=O)Nc2nccs2)cc1  
**Mol. weight [g/mol]:** 255.32  
**CAS:** 72-14-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.69		Aqueous Solubility Prediction Method
logp	1.526		Crippen Method
mcvol	168.830	ml/mol	McGowan Method
tf	473.40 ± 1.00	K	NIST Webbook
tf	437.00 ± 0.50	K	NIST Webbook
tf	474.70 ± 0.50	K	NIST Webbook

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
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## Sources

**NIST Webbook:**<http://webbook.nist.gov/cgi/cbook.cgi?ID=C72140&Units=SI>**Crippen Method:**<http://pubs.acs.org/doi/abs/10.1021/ci990307l>**Effect of presence of****alpha-cyclodextrin and****Aqueous Solubility Prediction Method:**<https://www.doi.org/10.1016/j.jct.2017.12.017>**of sulfathiazole at different****temperatures. Thermodynamic and****spectroscopic studies:**<http://link.springer.com/article/10.1007/BF02311772>

## Legend

**hfust:** Enthalpy of fusion at a given temperature**log10ws:** Log10 of Water solubility in mol/l**logp:** Octanol/Water partition coefficient**mcvol:** McGowan's characteristic volume**tf:** Normal melting (fusion) point

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