

# Mesoridazine

**Other names:**

10H-Phenothiazine, 10-[2-(1-methyl-2-piperidiny)ethyl]-2-(methylsulfinyl)-  
Phenothiazine, 10-[2-(1-methyl-2-piperidyl)ethyl]-2-(methylsulfinyl)-  
Lidanil  
Serentil  
Thioridazine thiomethyl sulfoxide  
Thioridazine-2-sulfoxide  
TPS 23  
Calodal  
Lidanar  
NC 123  
T-2-SO  
Thioridazien thiomethyl sulfoxide  
THD-2-SO  
10-(2(1-Methyl-2-piperidyl)ethyl)-2-(methylsulfinyl)phenothiazine  
10H-Phenothiazine, 2-methylthionyl-10-(2-(1-methylpiperidin-2-yl)ethyl)-  
Thioridazine monosulfoxide analog  
NSC 186066  
Thioridazine, sulfoxide

**Inchi:** InChI=1S/C21H26N2OS2/c1-22-13-6-5-7-16(22)12-14-23-18-8-3-4-9-20(18)25-21-11-10

**InchiKey:** SLVMESMUVMCQIY-UHFFFAOYSA-N

**Formula:** C21H26N2OS2

**SMILES:** CN1CCCCC1CCN1c2ccccc2Sc2ccc(S(C)=O)cc21

**Mol. weight [g/mol]:** 386.57

**CAS:** 5588-33-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.84		Crippen Method
logp	4.901		Crippen Method
mcvol	296.040	ml/mol	McGowan Method
rinpol	3326.00		NIST Webbook
rinpol	3326.00		NIST Webbook
rinpol	3326.00		NIST Webbook

# Sources

<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C5588330&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C5588330&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>

# Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>rinpola:</b>	Non-polar retention indices

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