

# Chloracyzine

**Other names:**

Phenothiazine, 2-chloro-10-(N,N-diethyl-«beta»-alanyl)-  
Chloracizin  
Chloracizine  
Chlorazicin  
Chlorazicine  
Chloroacizin  
Chloroacizine  
Chloroacyzin  
2-Chloro-10-(N,N-diethyl-«beta»-alanyl)phenothiazine  
G-020  
10H-Phenothiazine, 2-chloro-10-(3-(diethylamino)-1-oxopropyl)-  
2-Chloro-10-(3-diethylaminopropionyl)phenothiazine  
Chloracysin  
Chlorocizin  
Khlorsizin

**Inchi:**

InChI=1S/C19H21ClN2OS/c1-3-21(4-2)12-11-19(23)22-15-7-5-6-8-17(15)24-18-10-9-14

**InchiKey:**

ZZKWNLZUYAGVOT-UHFFFAOYSA-N

**Formula:**

C<sub>19</sub>H<sub>21</sub>ClN<sub>2</sub>OS

**SMILES:**

CCN(CC)CCC(=O)N1c2ccccc2Sc2ccc(Cl)cc21

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

360.90

**CAS:**

800-22-6

## Physical Properties

Property code	Value	Unit	Source
ie	7.87 ± 0.07	eV	NIST Webbook
log10ws	-5.38		Crippen Method
logp	5.201		Crippen Method
mcvol	270.310	ml/mol	McGowan Method

## Sources

**NIST Webbook:**

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C800226&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

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

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