3-(2-Chloro-10H-phenothiazin-10-yl)-N,N-diethyl-3

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
Khloratsizin

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: C19H21ClN2OS

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

Mol. weight [g/mol]: 360.91

Physical Properties

Property code	Value	Unit	Source
ie	7.87 ± 0.07	eV	NIST Webbook
log10ws	-4.72		Cheméo Relay (1.0)
logp	5.201		Crippen Method
mcvol	270.310	ml/mol	McGowan Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C800226&Units=SI

Legend

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