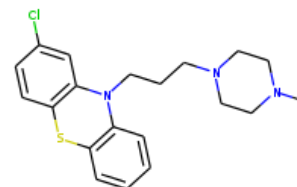


Prochlorperazine

Other names: 10H-Phenothiazine, 2-chloro-10-[3-(4-methyl-1-piperazinyl)propyl]-; 2-Chloro-10-(3-(1-methyl-4-piperazinyl)-propyl)-phenothiazine; 2-Chloro-10-(3-(4-methyl-1-piperazinyl)propyl)phenothiazine; 3-Chloro-10-(3-(1-methyl-4-piperazinyl)propyl)phenothiazine; 6140 R.P.; 6140 RP; Bayer A 173; Capazine; Chlormeprazine; Chloro-3 (N-methylpiperazinyl-3 propyl)-10 phenothiazine; Chlorperazine; Compazine; Emelent; Kronocin; Meterazin; Meterazine; N-(«gamma»-(4'-Methylpiperazinyl-1')propyl)-3-chlorophenothiazine; Nipodal; Novamin; Phenothiazine, 2-chloro-10-[3-(1-methyl-4-piperazinyl)propyl]-; Phenothiazine, 2-chloro-10-[3-(4-methyl-1-piperazinyl)propyl]-; Proazine; Prochloroperazine; Prochlorpemazine; Prochlorperazin; Prochlorpromazine; Procloperazine; Proclorperazine; RP-6140; SKF 4657; Stemetil; Tementil; Temetid.



InChI: InChI=1S/C20H24ClN3S/c1-22-11-13-23(14-12-22)9-4-10-24-17-5-2-3-6-19(17)25-20-8-7-16(21)15-18(20)24/h2-3,5-8,15H,4,9-14H2,1H3

InChI Key: WIKYUJGCLQQFNW-UHFFFAOYSA-N

Formula: C₂₀H₂₄ClN₃S

SMILES: CN1CCN(CCCN2c3ccccc3Sc3ccc(Cl)cc32)CC1

Molecular Weight: 373.94

CAS: 58-38-8

Physical Properties

Property	Value	Unit	Source
IE	7.03 ± 0.07	eV	NIST Webbook
IE	7.25	eV	NIST Webbook
$\log P_{\text{oct/wat}}$	4.58		Crippen Method

Sources

NIST Webbook: [http://webbook.nist.gov/cgi/inchi/InChI=1S/C20H24ClN3S/c1-22-11-13-23\(14-12-22\)9-4-10-24-17-5-2-3-6-19\(17\)25-20-8-7-16\(21\)15-18\(20\)24/h2-3,5-8,15H,4,9-14H2,1H3](http://webbook.nist.gov/cgi/inchi/InChI=1S/C20H24ClN3S/c1-22-11-13-23(14-12-22)9-4-10-24-17-5-2-3-6-19(17)25-20-8-7-16(21)15-18(20)24/h2-3,5-8,15H,4,9-14H2,1H3)

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Legend

IE: Ionization energy (eV).

logP_{oct/wat}: Octanol/Water partition coefficient .

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