Mepazine

Other names: (N-Methyl-3-piperidyl)methylphenothiazine
10-(1-Methylpiperidyl-3-methyl)phenothiazine
10-[(1-Methyl-3-piperidyl)methyl]phenothiazine
10H-Phenothiazine, 10-[(1-methyl-3-piperidinyl)methyl]-
III-2318
Lacumin
MPMP
Mepazin
Mepazine Base
Meprazine
Mesapin
Nothiazine
P 391
Pacatal
Pacatal Base
Pacatol
Pakatal
Paxital
Pecatal
Pecazine
Phenothiazine, 10-[(1-methyl-3-piperidyl)methyl]-

Inchi: InChI=1S/C19H22N2S/c1-20-12-6-7-15(13-20)14-21-16-8-2-4-10-18(16)22-19-11-5-3-9-1

InchiKey: CBHCDHNUZWWAPP-UHFFFAOYSA-N

Formula: C19H22N2S

SMILES: CN1CCCC(CN2c3ccccc3Sc3ccccc32)C1

Mol. weight [g/mol]: 310.46

CAS: 60-89-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.74		Aqueous Solubility Prediction Method
logp	4.631		Crippen Method
mcvol	245.640	ml/mol	McGowan Method
rinpol	2500.00		NIST Webbook
rinpol	2524.00		NIST Webbook
rinpol	2500.00		NIST Webbook

rinpol	2546.00	NIST Webbook
rinpol	2546.00	NIST Webbook
rinpol	2515.00	NIST Webbook
rinpol	2500.00	NIST Webbook

Sources

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C60899&Units=SI

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

Aqueous Solubility Prediction Method: http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume

rinpol: Non-polar retention indices