Perazine

Other names:	10H-Phenothiazine, 10-[3-(4-methyl-1-piperazinyl)propyl]- Phenothiazine, 10-(3-(4-methyl-1-piperazinyl)propyl)- N-Methyl-piperazinyl-N'-propyl-phenothiazine N-(3-(4-Methyl-1-piperazinyl)propyl)phenothiazine 10-(3-(4-Methyl-1-piperazinyl)propyl)-10H-phenothiazine P 725 Pernazine Psytomin Taxilan
Inchi:	InChI=1S/C20H25N3S/c1-21-13-15-22(16-14-21)11-6-12-23-17-7-2-4-9-19(17)24-20-10-
InchiKey:	WEYVCQFUGFRXOM-UHFFFAOYSA-N
Formula:	C20H25N3S
SMILES:	CN1CCN(CCCN2c3ccccc3Sc3ccccc32)CC1
Mol. weight [g/mol]:	339.50
CAS:	84-97-9

Physical Properties

Property code	Value	Unit	Source
ie	6.87 ± 0.07	eV	NIST Webbook
log10ws	-3.80		Crippen Method
logp	3.927		Crippen Method
mcvol	269.710	ml/mol	McGowan Method
rinpol	2760.00		NIST Webbook
rinpol	2790.00		NIST Webbook
rinpol	2780.00		NIST Webbook
rinpol	2780.00		NIST Webbook
rinpol	2790.00		NIST Webbook
rinpol	2760.00		NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C84979&Units=SI

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

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices