

# Fluphenazine

<b>Other names:</b>	1-(2-Hydroxyethyl)-4-[3-(trifluoromethyl-10-phenothiazinyl)propyl]piperazine 1-Piperazineethanol, 4-[3-[2-(trifluoromethyl)-10H-phenothiazin-10-yl]propyl]- 1-Piperazineethanol, 4-[3-[2-(trifluoromethyl)phenothiazin-10-yl]propyl]- 10-(3-(2-Hydroxyethyl)piperazinopropyl)-2-(trifluoromethyl)phenothiazine 2-[4-[3-[2-(trifluoromethyl)phenothiazin-10-yl]propyl]piperazin-1-yl]ethanol 4-(3-(2-Trifluoromethyl-10-phenothiazyl)-propyl)-1-piperazineethanol 4-[3-[2-(Trifluoromethyl)-10H-phenothiazin-10-yl]propyl]-1-piperazineethanol Elinol Fluorfenazine Fluorophenazine Fluorphenazine Ftorphenazine Moditen Pacinol Phenothiazine, 10-(3-(4-(2-hydroxyethyl)-1-piperazinyl)propyl)-2-(trifluoromethyl)- Phthorphenazine S 94 SQ 4918 Sevinol Siqualine Siqualon Triflumethazine Valamina Vespazine Yespazine
<b>Inchi:</b>	InChI=1S/C22H26F3N3OS/c23-22(24,25)17-6-7-21-19(16-17)28(18-4-1-2-5-20(18)30-21
<b>InchiKey:</b>	PLDUPXSUYLZYBN-UHFFFAOYSA-N
<b>Formula:</b>	C22H26F3N3OS
<b>SMILES:</b>	OCCN1CCN(CCCN2c3ccccc3Sc3ccc(C(F)(F)F)cc32)CC1
<b>Mol. weight [g/mol]:</b>	437.52
<b>CAS:</b>	69-23-8

## Physical Properties

Property code	Value	Unit	Source
ie	8.64 ± 0.07	eV	NIST Webbook
log10ws	-4.15		Aqueous Solubility Prediction Method

logp	4.308		Crippen Method
mcvol	309.070	ml/mol	McGowan Method
rinpol	3050.00		NIST Webbook
rinpol	3085.00		NIST Webbook
rinpol	3035.00		NIST Webbook
rinpol	3045.00		NIST Webbook
rinpol	3025.00		NIST Webbook
rinpol	3045.00		NIST Webbook
rinpol	3045.00		NIST Webbook
rinpol	3050.00		NIST Webbook
rinpol	3060.00		NIST Webbook
rinpol	3060.00		NIST Webbook
rinpol	3045.00		NIST Webbook
rinpol	3056.00		NIST Webbook
rinpol	3060.00		NIST Webbook
rinpol	3060.00		NIST Webbook
rinpol	3015.00		NIST Webbook
rinpol	3045.00		NIST Webbook
rinpol	3050.00		NIST Webbook
rinpol	3050.00		NIST Webbook
rinpol	3050.00		NIST Webbook
rinpol	3050.00		NIST Webbook
rinpol	3050.00		NIST Webbook
rinpol	3045.00		NIST Webbook
rinpol	3032.00		NIST Webbook
rinpol	3065.00		NIST Webbook
rinpol	3035.00		NIST Webbook
rinpol	3065.00		NIST Webbook
rinpol	3056.00		NIST Webbook

## Sources

**McGowan Method:**

<http://link.springer.com/article/10.1007/BF02311772>

**NIST Webbook:**

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C69238&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

**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

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