

# Fluphenazine M (desalkyl-), monoacetylated

**Inchi:** InChI=1S/C22H24F3N3OS/c1-16(29)27-13-11-26(12-14-27)9-4-10-28-18-5-2-3-6-20(18)  
**InchiKey:** WXZWHZDKXPLWHV-UHFFFAOYSA-N  
**Formula:** C22H24F3N3OS  
**SMILES:** CC(=O)N1CCN(CCCN2c3ccccc3Sc3ccc(C(F)(F)F)cc32)CC1  
**Mol. weight [g/mol]:** 435.51

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.10		Crippen Method
logp	4.862		Crippen Method
mcvol	304.770	ml/mol	McGowan Method
rinpol	3150.00		NIST Webbook
rinpol	3150.00		NIST Webbook
rinpol	3150.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](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=R310348&Units=SI>

## Legend

**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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