

# Acepromethazine M (dihydro-), monoacetylated

**Inchi:** InChI=1S/C22H28N2O2S/c1-15(13-23(4)5)14-24-19-8-6-7-9-21(19)27-22-11-10-18(12-20)2  
**InchiKey:** LARJGAEJXHGHK-UHFFFAOYSA-N  
**Formula:** C<sub>22</sub>H<sub>28</sub>N<sub>2</sub>O<sub>2</sub>S  
**SMILES:** CC(=O)OC(C)c1ccc2c(c1)N(CC(C)CN(C)C)c1ccccc1S2  
**Mol. weight [g/mol]:** 384.54

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.22		Crippen Method
logp	5.111		Crippen Method
mcvol	306.210	ml/mol	McGowan Method
rinpola	2690.00		NIST Webbook

## Sources

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R310091&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.com/doc/models/crippen_log10ws)

## Legend

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

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