# 10H-Phenothiazin-3-ol, 10-[3-(dimethylamino)propyl]-, acetate (ester)

**Other names:** Promazine M (HO-), monoacetylated
**Inchi:** InChI=1S/C19H22N2O2S/c1-14(22)23-15-9-10-17-19(13-15)24-18-8-5-4-7-16(18)21(17)
**InchiKey:** WZQPRXUQVBEBTL-UHFFFAOYSA-N
**Formula:** C19H22N2O2S
**SMILES:** CC(=O)Oc1ccc2c(c1)Sc1ccccc1N2CCCN(C)C
**Mol. weight [g/mol]:** 342.45
**CAS:** 56438-23-4

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -4.40 | | Crippen Method |
| logp | 4.166 | | Crippen Method |
| mcvol | 263.940 | ml/mol | McGowan Method |
| rinpol | 2709.00 | | NIST Webbook |
| rinpol | 2781.00 | | NIST Webbook |
| rinpol | 2709.00 | | 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=C56438234&Units=SI
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l

## Legend

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