

# Isothipendyl

**Other names:**

10H-Pyrido[3,2-b][1,4]benzothiazine-10-ethanamine, N,N,«alpha»-trimethyl-  
10H-Pyrido[3,2-b][1,4]benzothiazine, 10-[2-(dimethylamino)propyl]-  
Andantol  
Andanton  
AY 56012  
D 201  
Dimethylaminoisopropylazaphenothiazine  
Nilergex  
Odantol  
Udantol  
10-(2-Dimethylaminopropyl)-1-azaphenothiazine  
10-(2-Dimethylaminopropyl)-10H-pyrido[3,2-b][1,4]benzothiazine  
10-(2-Dimethylaminopropyl)-9-thia-1,10-diazaanthracene

**Inchi:** InChI=1S/C16H19N3S/c1-12(18(2)3)11-19-13-7-4-5-8-14(13)20-15-9-6-10-17-16(15)19/H**InchiKey:** OQJBSDFFQWMKBQ-UHFFFAOYSA-N**Formula:** C16H19N3S**SMILES:** CC(CN1c2ccccc2Sc2cccnc21)N(C)C**Mol. weight [g/mol]:** 285.41**CAS:** 482-15-5

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.96		Crippen Method
logp	3.634		Crippen Method
mcvol	224.210	ml/mol	McGowan Method
rinpol	2250.00		NIST Webbook
rinpol	2245.00		NIST Webbook
rinpol	2268.00		NIST Webbook
rinpol	2267.00		NIST Webbook
rinpol	2267.00		NIST Webbook

## Sources

**NIST Webbook:**<http://webbook.nist.gov/cgi/cbook.cgi?ID=C482155&Units=SI>

**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>

## 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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