

# Tropicamide

**Other names:**

Benzeneacetamide, N-ethyl-«alpha»-(hydroxymethyl)-N-(4-pyridinylmethyl)-  
N-Ethyl-2-phenyl-N-(4-pyridylmethyl)hydracrylamide  
Mydriacyl  
Mydriaticum  
component of Paremyd

**Inchi:** InChI=1S/C17H20N2O2/c1-2-19(12-14-8-10-18-11-9-14)17(21)16(13-20)15-6-4-3-5-7-15**InchiKey:** BGDKAVGWHJFAGW-UHFFFAOYSA-N**Formula:** C17H20N2O2**SMILES:** CCN(Cc1ccncc1)C(=O)C(CO)c1ccccc1**Mol. weight [g/mol]:** 284.35**CAS:** 1508-75-4

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.40		Crippen Method
logp	2.206		Crippen Method
mcvol	230.270	ml/mol	McGowan Method
rinpol	2330.00		NIST Webbook
rinpol	2330.00		NIST Webbook
tf	368.00 ± 1.00	K	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=C1508754&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  
**tf:** Normal melting (fusion) point

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