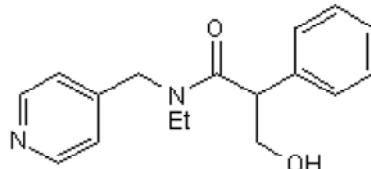


Certificate of Analysiswww.tocris.com**Product Name:** Tropicamide**Catalog No.:** 0909**Batch No.:** 3

CAS Number: 1508-75-4

EC Number: 216-140-2

IUPAC Name: *N*-Ethyl-3-hydroxy-2-phenyl-*N*-(pyridinylmethyl)propanamide**1. PHYSICAL AND CHEMICAL PROPERTIES****Batch Molecular Formula:** C₁₇H₂₀N₂O₂**Batch Molecular Weight:** 284.36**Physical Appearance:** White solid**Solubility:** DMSO to 100 mM**Storage:** Store at RT**Batch Molecular Structure:****2. ANALYTICAL DATA****HPLC:** Shows 99.4% purity**¹H NMR:** Consistent with structure**Mass Spectrum:** Consistent with structure**Microanalysis:** Carbon Hydrogen Nitrogen

Theoretical 71.81 7.09 9.85

Found 71.82 7.2 9.77

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Product Information

www.tocris.com**Product Name:** Tropicamide

CAS Number: 1508-75-4

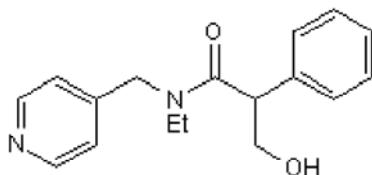
IUPAC Name: *N*-Ethyl-3-hydroxy-2-phenyl-*N*-(pyridinylmethyl)propanamide**Catalog No.:** 0909**Batch No.:** 3

EC Number: 216-140-2

Description:Tropicamide is an M₄ selective muscarinic receptor antagonist.**Physical and Chemical Properties:**Batch Molecular Formula: C₁₇H₂₀N₂O₂

Batch Molecular Weight: 284.36

Physical Appearance: White solid

Minimum Purity: ≥98%**Batch Molecular Structure:****Storage:** Store at RT**Solubility & Usage Info:**

DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Hernandez et al (1993) Different muscarinic receptor subtypes mediating the phasic activity and basal tone of pig isolated intravesical ureter. *Br.J.Pharmacol.* **110** 1413. PMID: 7905771.

Lazareno et al (1990) Characterisation of muscarinic M₄ binding sites in rabbit lung, chicken heart and NG 108-15 cells. *Mol.Pharmacol.* **38** 805. PMID: 2250662.

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