

Product Information

Tropicamide

Cat. No.: X23-12-YM126

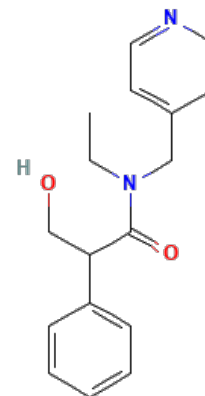
Size: 100 mg; 200 mg; 500 mg; 1 g

CAS Number: 1508-75-4

PubChem CID: 5593

Synonym: 1508-75-4; Mydriacyl; Bistropamide; Mydriaticum

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Tropicamide, soluble in DMSO and ethanol and insoluble in water, interferes with or suppresses the transmission of signals between neurons in the nervous system. It targets M4 mAChR.
Molecular Weight	284.4
Molecular Formula	C ₁₇ H ₂₀ N ₂ O ₂
Targets	M4 mAChR: 8 nM
IUPAC Name	<i>N</i> -Ethyl-3-hydroxy-2-phenyl- <i>N</i> -(pyridin-4-ylmethyl)propanamide
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/h3-11, 16, 20H, 2, 12-13H2, 1H3
InChI Key	BGDKAVGWHJFAGW-UHFFFAOYSA-N
Canonical SMILES	CCN(CC1=CC=NC=C1)C(=O)C(CO)C2=CC=CC=C2
Form	Lyophilized powder
Purity	>98%
Solubility	DMSO: 49 mg/mL (172.32 mM); Water: insoluble; Ethanol: 49 mg/mL (172.32 mM)
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Tropicamide can be used to help alleviate pain and discomfort associated with uveitis and may aid in preventing complications such as synechiae (adhesions between the iris and lens).
Storage	Store at -20°C, and keep desiccated.