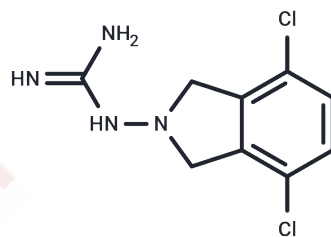


Aganodine

Chemical Properties

CAS No. :	86696-87-9
Formula:	C ₉ H ₁₀ Cl ₂ N ₄
Molecular Weight:	245.11
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Aganodine is a guanidine that activates presynaptic imidazoline receptors. Aganodine inhibits the presynaptic release of norepinephrine through its agonism at imidazoline receptors.
Targets(IC50)	Others, Imidazoline Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0798 mL	20.399 mL	40.798 mL
5 mM	0.816 mL	4.0798 mL	8.1596 mL
10 mM	0.408 mL	2.0399 mL	4.0798 mL
50 mM	0.0816 mL	0.408 mL	0.816 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Molderings GJ, Bönisch H, Hammermann R, Göthert M, Brüss M. Noradrenaline release-inhibiting receptors on PC12 cells devoid of alpha(2(-)) and CB(1) receptors: similarities to presynaptic imidazoline and edg receptors. *Neurochem Int.* 2002 Feb;40(2):157-67. PubMed PMID: 11738482.

Sánchez-Blázquez P, Boronat MA, Olmos G, García-Sevilla JA, Garzón J. Activation of I(2)-imidazoline receptors enhances supraspinal morphine analgesia in mice: a model to detect agonist and antagonist activities at these receptors. *Br J Pharmacol.* 2000 May;130(1):146-52. PubMed PMID: 10781010; PubMed Central PMCID: PMC1572044.

Molderings GJ, Likungu J, Göthert M. Presynaptic cannabinoid and imidazoline receptors in the human heart and their potential relationship. *Naunyn Schmiedebergs Arch Pharmacol.* 1999 Aug;360(2):157-64. PubMed PMID: 10494885.

Göthert M, Brüss M, Bönisch H, Molderings GJ. Presynaptic imidazoline receptors. New developments in characterization and classification. *Ann N Y Acad Sci.* 1999 Jun 21;881:171-84. Review. PubMed PMID: 10415912.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481