

AR-M 1896 Acetate

Chemical Properties

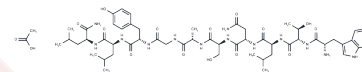
CAS No. :

Formula: C₅₆H₈₅N₁₃O₁₆

Molecular Weight: 1196.35

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	AR-M 1896 Acetate is the selective agonist of GalR2.
Targets(IC50)	Neuropeptide Y Receptor
In vitro	Removal of the glycine residue in position 1 resulted in AR-M1896 with almost unchanged GalR2 affinity and functional activity, and 500-fold selectivity for GalR2-Rs over GalR1-Rs[1].?
In vivo	In normal rats mechanical and cold allodynia of the hindpaw are induced by intrathecal infusion of low-dose galanin. The same effect is seen with equimolar doses of AR-M1896 or AR-M961 (an agonist both at GalR1 and GalR2 receptors). In allodynic Bennett model rats, the mechanical threshold dose-dependently increased after intrathecal injection of a high AR-M961 dose, whereas no effect was observed in the control or AR-M1896 group. No effect of either compounds was observed in nonallodynic Bennett model rats[1].

Solubility Information

Solubility	DMSO: 55 mg/mL (45.97 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8359 mL	4.1794 mL	8.3588 mL
5 mM	0.1672 mL	0.8359 mL	1.6718 mL
10 mM	0.0836 mL	0.4179 mL	0.8359 mL
50 mM	0.0167 mL	0.0836 mL	0.1672 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

Liu HX, Brumovsky P, Schmidt R, Brown W, Payza K, Hodzic L, Pou C, Godbout C, H?kfelt T. Receptor subtype-specific pronociceptive and analgesic actions of galanin in the spinal cord: selective actions via GalR1 and GalR2 receptors. Proc Natl Acad Sci U S A. 2001 Aug 14;98(17):9960-4

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