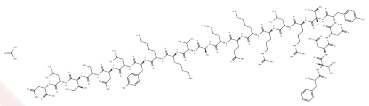
Data Sheet (Cat.No.TP1283L)

TargetMol

VIP(6-28)(human, rat, porcine, bovine) acetate

Chemical Properties



CAS No. :

Formula: C128H211N37O36S

Molecular Weight: 2876.34

Storage: Store at low temperature,Keep away from moisture
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	VIP(6-28)(human, rat, porcine, bovine) acetate is an antagonist of the actions of exogenous vasoactive intestinal peptide (VIP) receptor on cAMP in the superior cervical ganglion (SCG).
Targets(IC50)	Others
In vitro	VIP(6-28)(human, rat, porcine, bovine) acetate (10, 30, or 100 μM) reduces the increase in cAMP levels produced by stimulation with 10 μM VIP by 52, 64, or 81%, respectively. Similar results on the ability of VIP(6-28)(human, rat, porcine, bovine) acetate to block VIP-stimulated increases in cAMP levels are obtained in neuron-enriched and non-neuronal cell-enriched dissociated cultures. At any of these concentrations tested, VIP (6-28)(human, rat, porcine, bovine) acetate by itself does not alter cAMP levels. In contrast to its ability to reduce the VIP-stimulated elevation in cAMP levels by 64%, the addition of 30 μM VIP(6-28)(human, rat, porcine, bovine) acetate to the culture medium does not significantly alter cAMP levels measured after stimulation of adult ganglia with either isoproterenol or forskolin (10 μM each)[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3477 mL	1.7383 mL	3.4766 mL
5 mM	0.0695 mL	0.3477 mL	0.6953 mL
10 mM	0.0348 mL	0.1738 mL	0.3477 mL
50 mM	0.007 mL	0.0348 mL	0.0695 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

Mohney RP, et al. Vasoactive intestinal peptide enhances its own expression in sympathetic neurons after injury. J Neurosci. 1998 Jul 15;18(14):5285-93.

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