

For Research Use Only  
PACAP (1-38), human, ovine, rat

Catalog Number: CM03262

产品信息

Catalog Number:  
CM03262

CAS号:  
137061-48-4

分子式:  
N/A

主要靶点:  
cAMP

主要通路:  
GPCR/G Protein

分子量:  
0.0

MDL NO:  
MFCD00081800



靶点

Target	Activity
PACAP receptor	IC50=4nM
PACAP type II receptor	IC50=2nM
PACAP type III receptor	IC50=1nM

描述

PACAP 1-38 has potent, efficacious, and sustained stimulatory effects on sympathetic neuronal NPY and catecholamine production. It is a pleiotropic neuropeptide, exhibiting a variety of biologic actions, including activities as a neurotransmitter, neuromodulator, neurotrophic factor, as well as an immunomodulator, in immune cells through its effect on MAPK signaling and modulation of activation of NF- $\kappa$ B. PACAP 1-38 dramatically prevents injury of cultured renal proximal tubule cells caused by myeloma light chains through suppression of proinflammatory cytokines production, by inhibiting p38 MAPK and translocation of NF- $\kappa$ B via both PAC1 and VPAC1 receptors. PACAP38 inhibits myeloma cell growth directly and may also indirectly by suppressing production of the growth factor, IL-6, from bone marrow stromal cells, that is stimulated by adhesion of myeloma cells. PACAP38 suppressed release of both IL-6 and TNF- $\alpha$  dose dependently.

储存

储存条件:

粉末	-20°C	3年
液体	-80°C	1年

运输条件:

Shipped in cold pack

For technical support and original validation data for this product please contact

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