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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet (Cat.No.TP1722L)

TargetMol

PACAP (6-38), human, ovine, rat acetate

Chemical Properties

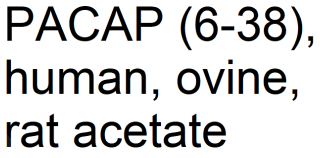
CAS No. :

Formula:

Molecular Weight:

Appearance: no data available

Storage: store at low temperature,keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	PACAP (6-38), human, ovine, rat acetate is a potent PACAP receptor antagonist with IC50s of 30, 600, and 40 nM for PACAP type I receptor, PACAP type II receptor VIP1, and PACAP type II receptor VIP2, respectively.
Targets(IC50)	PACAP
In vitro	An increase of dopamine (DA) content by HPLC analysis and/or cell proliferation identified by MTT assay by Dexamethasone (DEX) is also observed which can be inhibited by PACAP (6-38) at concentration sufficient to block PACAP type 1 (PAC1) receptor. Pretreatment with PACAP (6-38) at 0.1 or 1 μM for 2 h significantly blocks this increase of DA content by 1 μM DEX. The MTT assay shows that DEX increases cell proliferation. Moreover, this action is also inhibited by the pre-incubation of PACAP (6-38). PACAP (6-38) at 1μM shows no effect on DA content and cell proliferation for 24 h. However, PACAP (6-38) at 0.3 μM has been mentioned to reduce the spontaneous tyrosine hydroxylase (TH) accumulation in differentiated retinal cultured cells for 5 days [2].
In vivo	Intravesical administration of PACAP (6-38) (300 nM) significantly (p≤0.01) increases intercontraction interval (2.0-fold) and void volume (2.5-fold) in NGF-OE mice. Intravesical instillation of PACAP (6-38) also decreases baseline bladder pressure in NGF-OE mice. Intravesical administration of PACAP (6-38) (300 nM) significantly (p≤0.01) reduces pelvic sensitivity in NGF-OE mice but is without effect in WT mice[3].

Solubility Information

Solubility	H2O: 50 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Reference

Gourlet P, et al. Fragments of pituitary adenylate cyclase activating polypeptide discriminate between type I and II recombinant receptors. Eur J Pharmacol. 1995 Dec 4;287(1):7-11.

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