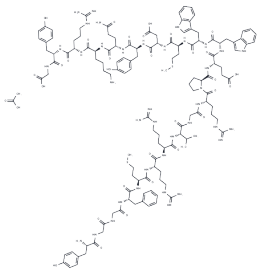
Data Sheet (Cat.No.TP1211L)

TargetMol
YOUR TARGET MOLECULES

BAM 22P acetate

Chemical Properties



CAS No. :

Formula: C132H188N38O33S2

Molecular Weight: 2899.27

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	BAM 22P acetate is a potent opioid agonist.
Targets(IC50)	Opioid Receptor
In vitro	Plasma BAM 22P acetate levels s cholestatic rats are significantly higher than those in control rats. Adrenal steady-state levels of proenkephalin mRNA, as determined by Northern blot hybridization analyses, are also increased significantly in cholestatic rats. These increases in proenkephalin mRNA levels are not paralleled by changes in adrenal BAM 22P acetate peptide levels, which are similar in cholestatic rats and their respective controls. Adrenal gland levels of BAM 22P acetate are similar in BDR and sham-resected rats (BDR, 1.10±0.39 ng/g; sham, 0.93±0.16 ng/g; NS). BAM 22P acetate levels in ANIT-treated and oil-gavaged controls are also similar (ANIT, 2.88±0.29 ng/g; control, 2.75±0.30 ng/g; NS). However, adrenal BAM 22P acetate levels are lower in BDR and sham-resected rats than in ANIT-treated and oil-gavaged controls (P<0.01). Acute cholestasis in the rat is associated with enhanced synthesis and secretion of the proenkephalin-derived opioid peptide BAM 22P acetate from the adrenal gland[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3449 mL	1.7246 mL	3.4491 mL
5 mM	0.069 mL	0.3449 mL	0.6898 mL
10 mM	0.0345 mL	0.1725 mL	0.3449 mL
50 mM	0.0069 mL	0.0345 mL	0.069 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.

Reference

Swain MG, et al. Adrenal secretion of BAM-22P, a potent opioid peptide, is enhanced in rats with acute cholestasis. Am J Physiol. 1994 Feb;266(2 Pt 1):G201-5.

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