

## (D-Trp12,Tyr34)-pTH (7-34) amide (bovine) acetate

## Chemical Properties

CAS No. :

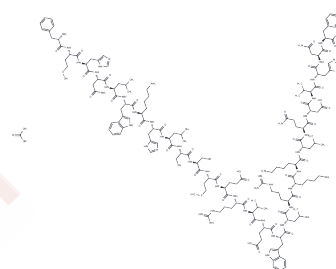
Formula: C167H255N49O42S2

Molecular Weight: 3685.25

Keep away from moisture

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	(D-Trp12,Tyr34)-pTH (7-34) amide (bovine) acetate is a highly potent antagonist of parathyroid hormone (PTH) The Ki value is 69 nM in bovine renal cortical membrane.
Targets(IC50)	Thyroid hormone receptor(THR)
In vitro	In opossum kidney (OK) cells, (D-Trp12,Tyr34)-pTH (7-34) amide (bovine) acetate (0.05-10 µM) inhibits PTHrP or PTH-stimulated cAMP formation in causes a concentration-dependent manner. (D-Trp12,Tyr34)-pTH (7-34) amide (bovine) acetate (0.1-10 µM) attenuates the inhibition of NapiT promoted by 1 nM of either PTHrP or PTH[1].
In vivo	In hypercalcemic athymic nude mice bearing a human squamous cell carcinoma of the lung, administration of (D-Trp12,Tyr34)-pTH (7-34) amide (bovine) acetate (1 mg/mL once, 0.1 mg/mL for 6 h; i.v.) has no significant effect on serum calcium levels[2].

## Solubility Information

Solubility	DMSO: 50.00 mg/mL (13.57 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	0.2714 mL	1.3568 mL	2.7135 mL
5 mM	0.0543 mL	0.2714 mL	0.5427 mL
10 mM	0.0271 mL	0.1357 mL	0.2714 mL
50 mM	0.0054 mL	0.0271 mL	0.0543 mL

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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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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