

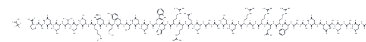
TIP39 (human, bovine) TFA

Chemical Properties

CAS No. :

Formula: C202H325N61O54S.XCF3COOH

Molecular Weight: 4504.19



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

TIP39, a neuropeptide and an agonist for the parathyroid hormone receptor type 2 (PTH2R), effectively increases cAMP levels in COS-7 cells featuring recombinant PTH2R from humans or rats (EC50s = 0.5 and 0.8 nM, respectively), as well as in F-11 cells that naturally express PTH2R (EC50 = 1.15 nM). Furthermore, TIP39 at 1 nM halts the cell cycle at the G0/G1 phase and reduces Sox9 expression, a crucial regulator of cartilage differentiation, in CFK2 rat chondrocytes. Additionally, administering 100 pmol/animal of TIP39 reduces the immobility period in the forced swim test in mice, indicating a potential antidepressant effect.

Solubility Information

Solubility

20% ACN/H2O: Soluble
(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.222 mL	1.1101 mL	2.2202 mL
5 mM	0.0444 mL	0.222 mL	0.444 mL
10 mM	0.0222 mL	0.111 mL	0.222 mL
50 mM	0.0044 mL	0.0222 mL	0.0444 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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