

PHM-27 (human) acetate

Chemical Properties

CAS No. :

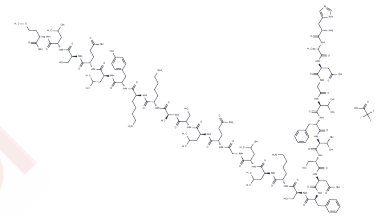
Formula: C137H215F3N34O42S

Molecular Weight: 3099.44

Keep away from moisture

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.



Biological Description

Description	PHM-27 (human) acetate is the endogenous peptide product of prepro-VIP (human), an agonist of the calcitonin receptor (EC 50 = 11 nM). Transgenic mice overexpressing PHM-27 (human) acetate in pancreatic β -islets exhibited enhanced glucose-induced insulin secretion.
Targets(IC50)	CGRP Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3226 mL	1.6132 mL	3.2264 mL
5 mM	0.0645 mL	0.3226 mL	0.6453 mL
10 mM	0.0323 mL	0.1613 mL	0.3226 mL
50 mM	0.0065 mL	0.0323 mL	0.0645 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.

Reference

Itoh N, Obata K, Yanaihara N, Okamoto H. Human preprovasoactive intestinal polypeptide contains a novel PHI-27-like peptide, PHM-27. *Nature*. 1983 Aug 11-17;304(5926):547-9.

Ma JN, Currier EA, Essex A, Feddock M, Spalding TA, Nash NR, Brann MR, Burstein ES. Discovery of novel peptide/receptor interactions: identification of PHM-27 as a potent agonist of the human calcitonin receptor. *Biochem Pharmacol*. 2004 Apr 1;67(7):1279-84.

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