

Tyr- α -CGRP (human) (trifluoroacetate salt)

Chemical Properties

CAS No. :	124756-98-5
Formula:	C172H276N52O51S2xCF3COOH
Molecular Weight:	3952.5
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Tyr- α -CGRP is an N-terminal extended tyrosinated analogue of α -calcitonin gene-related peptide . It binds to amylin receptors AMY1 and AMY3 in COS-7 cells expressing the human receptors (IC50s = 141 and 1.86 nM, respectively). Tyr- α -CGRP also binds to and stimulates cAMP accumulation in rat L6 myocytes (IC50 = 4 nM; EC50 = 12 nM). It also binds to rat brain and spleen membrane preparations (IC50s = 0.2 and 0.5 nM, respectively), induces positive chronotropic and inotropic effects in isolated right and left guinea pig atria (EC50s = 282 and 74 nM, respectively), and inhibits the twitch response in rat vas deferens (EC50 = 1.9 nM).
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Solubility Information

Solubility	H2O: 1 mg/mL (0.25 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.253 mL	1.265 mL	2.530 mL
5 mM	0.0506 mL	0.253 mL	0.506 mL
10 mM	0.0253 mL	0.1265 mL	0.253 mL
50 mM	0.0051 mL	0.0253 mL	0.0506 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

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