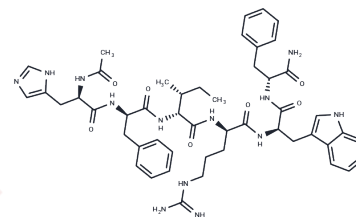


AC-178335

Chemical Properties

CAS No. : 212966-15-9
Formula: C₄₉H₆₃N₁₃O₇
Molecular Weight: 946.11
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	AC-178335 is a pure somatostatin (SRIF) antagonist with an affinity constant (K _i) of 172 +/- 12 nM. AC-178335 blocks SRIF inhibition of adenylate cyclase in vitro (IC ₅₀ = 5.1 +/- 1.4 microM). It induces GH release when given alone (50 micrograms intravenously) to anesthetized rats with or without pretreatment with a long-acting SRIF agonist.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.057 mL	5.2848 mL	10.5696 mL
5 mM	0.2114 mL	1.057 mL	2.1139 mL
10 mM	0.1057 mL	0.5285 mL	1.057 mL
50 mM	0.0211 mL	0.1057 mL	0.2114 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

Baumbach WR, Carrick TA, Pausch MH, Bingham B, Carmignac D, Robinson IC, Houghten R, Eppler CM, Price LA, Zysk JR. A linear hexapeptide somatostatin antagonist blocks somatostatin activity in vitro and influences growth

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