

RG33 TFA

## Chemical Properties

CAS No. :

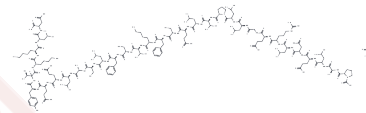
Formula: C175H282N42O51.XCF3COOH

Molecular Weight: 3790.36

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	RG33, a synthetic 33-amino acid peptide, matches the sequence of amino acids 209-219 and 220-241 found in the C-terminal domain class Y helices of apolipoprotein A1 (ApoA1). This compound has the ability to solubilize multilamellar vesicles (MLVs) containing 1,2-dimyristoyl-sn-glycero-3-PC (DMPC), resulting in the formation of recombinant HDL. When bound to lipids, RG33 facilitates cholesterol efflux in J774 macrophages and has been shown to reduce blood glucose levels in insulin-resistant mice at a dosage of 12 mg/kg.
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## Solubility Information

Solubility	H2O: Soluble ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2638 mL	1.3191 mL	2.6383 mL
5 mM	0.0528 mL	0.2638 mL	0.5277 mL
10 mM	0.0264 mL	0.1319 mL	0.2638 mL
50 mM	0.0053 mL	0.0264 mL	0.0528 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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