

Spadin TFA

Chemical Properties

CAS No. :

Formula: C92H143F3N26O24

Molecular Weight: 2126.36

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	Spadin TFA, a natural peptide originating from a propeptide in blood, acts as a powerful TREK-1 channel inhibitor with an IC ₅₀ of 10 nM. It boosts dorsal raphe nucleus 5-HT neurotransmission in mice, activates hippocampal CREB, and promotes neurogenesis. This compound is useful for antidepressant research [1] [2].
Targets(IC ₅₀)	5-HT Receptor, Potassium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4703 mL	2.3514 mL	4.7029 mL
5 mM	0.0941 mL	0.4703 mL	0.9406 mL
10 mM	0.047 mL	0.2351 mL	0.4703 mL
50 mM	0.0094 mL	0.047 mL	0.0941 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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