

IGF-I (24-41) (TFA)

Chemical Properties

CAS No. :

Formula: C88H133N27O28.C2HF3O2

Molecular Weight: 2131.18

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	Insulin-like Growth Factor I (24-41) TFA, a fragment comprising amino acids 24 to 41 of the full IGF-I TFA molecule, is a variant of IGF-I TFA, which itself is a 70 amino acid polypeptide hormone. This hormone serves as a trophic factor beneficial for both neurons and glial cells, playing a significant role in mediating the effects of growth hormone (GH) on systemic growth. Additionally, IGF-I TFA exhibits anabolic, antioxidant, anti-inflammatory, and cytoprotective properties. The specific fragment IGF-I (24-41) TFA is involved in regulating somatic growth as well as behavioral development [1] [2] [3].
Targets(IC50)	IGF-1R

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4692 mL	2.3461 mL	4.6922 mL
5 mM	0.0938 mL	0.4692 mL	0.9384 mL
10 mM	0.0469 mL	0.2346 mL	0.4692 mL
50 mM	0.0094 mL	0.0469 mL	0.0938 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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