

ChREBP α /14-3-3 regulator-1

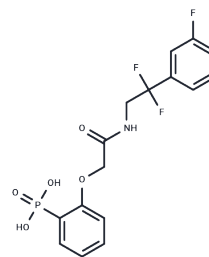
Chemical Properties

CAS No. :

Formula: C₁₆H₁₅F₃N₁O₅P

Molecular Weight: 389.263

Storage: Keep away from direct sunlight
 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	ChREBP α /14-3-3 regulator-1 (Compound 43) is a selective molecular glue that stabilizes the interaction between carbohydrate response element-binding protein (ChREBP) and 14-3-3 proteins, with an EC ₅₀ of 3.8 μ M. It effectively safeguards β cells from glucolipotoxicity, preserving cell function and making it relevant for type 2 diabetes research.
Targets(IC ₅₀)	Molecular Glues

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.569 mL	12.8449 mL	25.6898 mL
5 mM	0.5138 mL	2.569 mL	5.138 mL
10 mM	0.2569 mL	1.2845 mL	2.569 mL
50 mM	0.0514 mL	0.2569 mL	0.5138 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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