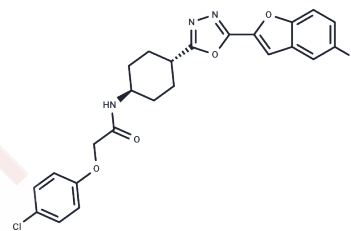


ATF4-IN-1

Chemical Properties

CAS No. :	2991057-76-0
Formula:	C ₂₄ H ₂₁ Cl ₂ N ₃ O ₄
Molecular Weight:	486.35
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	ATF4-IN-1 (Compound 21) serves as an inhibitor of ATF4, demonstrating effective suppression of ATF4 expression in Thapsigargin-stimulated HEK-293T cells with an IC ₅₀ of 32.43 nM. Compared to ISRIB, ATF4-IN-1 shows enhanced activity and exhibits minimal cytotoxicity, with an IC ₅₀ of 96 μM in HEK-293T cells. This compound is utilized in the investigation of neurodegenerative diseases [1].
Targets(IC50)	Others,PERK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0561 mL	10.2807 mL	20.5613 mL
5 mM	0.4112 mL	2.0561 mL	4.1123 mL
10 mM	0.2056 mL	1.0281 mL	2.0561 mL
50 mM	0.0411 mL	0.2056 mL	0.4112 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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