

ATF4-IN-2

Chemical Properties

CAS No. : 2991057-60-2

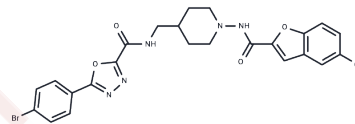
Formula: C₂₄H₂₁BrClN₅O₄

Molecular Weight: 558.81

Store at low temperature

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-2 (Compound 29) is an ATF4 inhibitor (IC ₅₀ =47.71 nM) for neurodegenerative disease research.
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (143.16 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7895 mL	8.9476 mL	17.8952 mL
5 mM	0.3579 mL	1.7895 mL	3.579 mL
10 mM	0.179 mL	0.8948 mL	1.7895 mL
50 mM	0.0358 mL	0.179 mL	0.3579 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.

Reference

Pei Y, et al. Design, Synthesis, and Biological Evaluation of Eukaryotic Initiation Factor 2B (eIF2B) Activators. ChemMedChem. 2024;19(11):e202300716.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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