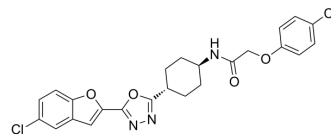


## ATF4-IN-1

Cat. No.:	HY-158201
CAS No.:	2991057-76-0
Molecular Formula:	C <sub>24</sub> H <sub>21</sub> Cl <sub>2</sub> N <sub>3</sub> O <sub>4</sub>
Molecular Weight:	486.35
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

ATF4-IN-1 (Compound 21) is an ATF4 inhibitor. ATF4-IN-1 inhibits ATF4 expression in Thapsigargin (HY-13433)-stimulated HEK-293T cells, with an IC<sub>50</sub> value of 32.43 nM. ATF4-IN-1 is more active than ISRIB (HY-12495A). ATF4-IN-1 exhibits low cytotoxicity (IC<sub>50</sub>: 96 μM against HEK-293T cells). ATF4-IN-1 can be used for research of neurodegenerative diseases<sup>[1]</sup>.

## REFERENCES

[1]. Pei Y, et al. Design, Synthesis, and Biological Evaluation of Eukaryotic Initiation Factor 2B (eIF2B) Activators. ChemMedChem. 2024 Mar 1:e202300716.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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