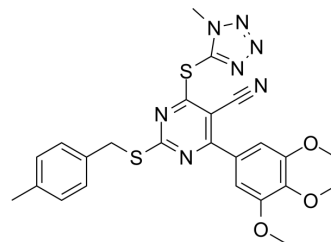


## DCN1-UBC12-IN-1

Cat. No.:	HY-142691
CAS No.:	2374827-31-1
Molecular Formula:	C <sub>24</sub> H <sub>23</sub> N <sub>7</sub> O <sub>3</sub> S <sub>2</sub>
Molecular Weight:	521.61
Target:	E1/E2/E3 Enzyme
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	DCN1-UBC12-IN-1 is potent and selective DCN1-UBC12 inhibitor with an IC <sub>50</sub> of 2.86 nM. Anticardiac fibrotic effect <sup>[1]</sup> .
In Vitro	DCN1-UBC12-IN-1 (compound 44) possesses low cytotoxicity toward cardiac fibroblasts (CFs) with an IC <sub>50</sub> of 9.97 μM for 24 h <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. He ZX, et al. Discovery of Potent and Selective 2-(Benzylthio)pyrimidine-based DCN1-UBC12 Inhibitors for Anticardiac Fibrotic Effects. J Med Chem. 2022;65(1):163-190.

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

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