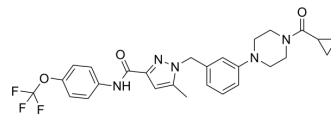


## SCAL-255

Cat. No.:	HY-155554
CAS No.:	2798953-61-2
Molecular Formula:	C <sub>27</sub> H <sub>28</sub> F <sub>3</sub> N <sub>5</sub> O <sub>3</sub>
Molecular Weight:	527.54
Target:	Mitochondrial Metabolism; Oxidative Phosphorylation
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

SCAL-255 is a potent mitochondrial complex I (CI) inhibitor with IC<sub>50</sub> of 1.14 μM. SCAL-255 blocks mitochondrial function, inhibits OCR, induces ROS production, and reduces MMP. SCAL-255 displays a considerable antiproliferation effect against oxidative phosphorylation (OXPHOS)-dependent cancer cells<sup>[1]</sup>.

## REFERENCES

[1]. Yang Zhou, et al. Synthesis and biological evaluation of novel pyrazole amides as potent mitochondrial complex I inhibitors. *Eur J Med Chem.* 2023 Oct 5;258:115576.

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

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