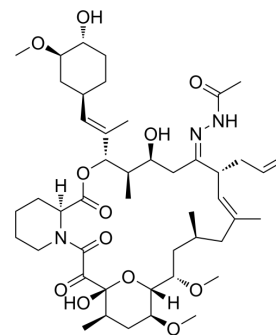


## APX879

Cat. No.:	HY-148992
CAS No.:	1801372-27-9
Molecular Formula:	C <sub>46</sub> H <sub>73</sub> N <sub>3</sub> O <sub>12</sub>
Molecular Weight:	860.08
Target:	Calcineurin; Fungal
Pathway:	Neuronal Signaling; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

APX879 is a fungal-specific calcineurin inhibitor that has less immunosuppressive activities and toxicities. APX879 is a C22-modified FK506 (HY-13756) analog, which maintains broad-spectrum antifungal activity<sup>[1][2]</sup>.

### REFERENCES

[1]. Gobeil SM, et al. Leveraging Fungal and Human Calcineurin-Inhibitor Structures, Biophysical Data, and Dynamics To Design Selective and Nonimmunosuppressive FK506 Analogs. *mBio*. 2021 Dec 21;12(6):e0300021.

[2]. Hoy M J. Development of Novel Antifungal Compounds for the Treatment of Systemic Fungal Infections[D]. Duke University, 2022.

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

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