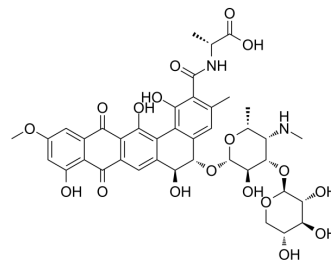


## Pradimicin A

Cat. No.:	HY-132191
CAS No.:	117704-65-1
Molecular Formula:	C <sub>40</sub> H <sub>44</sub> N <sub>2</sub> O <sub>18</sub>
Molecular Weight:	840.78
Target:	Fungal; SARS-CoV; HIV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Pradimicin A (PRM-A) is a potent antifungal agent, with an MIC of 4 µg/mL against <i>Candida rugosa</i> . Pradimicin A has antiviral activities against CoV, HIV and other enveloped viruses. Pradimicin A shows aggregation property, and can recognize d-Man in the presence of Ca <sup>2+</sup> ion <sup>[1][2]</sup> .
IC <sub>50</sub> & Target	MIC: 4 µg/mL ( <i>Candida rugosa</i> ) <sup>[1]</sup>

### REFERENCES

- [1]. Miyanishi W, et al. d-Mannose binding, aggregation property, and antifungal activity of amide derivatives of pradimicin A. *Bioorg Med Chem*. 2021 Dec 27;55:116590.
- [2]. Nakagawa Y, Doi T, Masuda Y, Takegoshi K, Igarashi Y, Ito Y. Mapping of the primary mannose binding site of pradimicin A. *J Am Chem Soc*. 2011 Nov 2;133(43):17485-93.

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

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