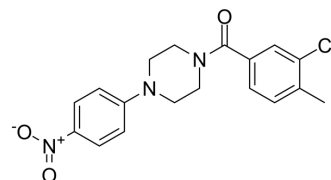


Filastatin

Cat. No.:	HY-124701
CAS No.:	431996-53-1
Molecular Formula:	C ₁₈ H ₁₈ ClN ₃ O ₃
Molecular Weight:	359.81
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Filastatin is a long-lasting inhibitor of *Candida albicans* filamentation. Filastatin inhibits adhesion by multiple pathogenic *Candida* species with an IC₅₀ of ~3 μM in the GFP-based adhesion assay. Filastatin inhibits fungal adhesion to polystyrene and human cells, the yeast-to-hyphal morphological transition, induction of the hyphal-specific HWP1 promoter. Filastatin has potent antifungal effect^[1].

REFERENCES

[1]. Ahmed Fazly, et al. Chemical screening identifies filastatin, a small molecule inhibitor of *Candida albicans* adhesion, morphogenesis, and pathogenesis. Proc Natl Acad Sci U S A. 2013 Aug 13;110(33):13594-9.

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

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