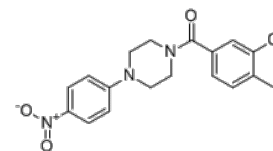


Product Name : Filastatin
Cat. No. : PC-70346
CAS No. : 431996-53-1
Molecular Formula : C₁₈H₁₈ClN₃O₃
Molecular Weight : 359.81
Target : Fungal
Solubility : 10 mM in DMSO



Biological Activity

Filastatin is a small molecule inhibitor that inhibits adhesion of *C. albicans* to polystyrene. Filastatin also inhibits binding of *C. albicans* to cultured human epithelial cells, the yeast-to-hyphal morphological transition, induction of the hyphal-specific HWP1 promoter, biofilm formation on silicone elastomers, and pathogenesis in a nematode infection model as well as alters fungal morphology in a mouse mucosal infection assay. Filastatin is a chemical probe for study of multiple aspects of fungal pathogenesis.

References

- Fazly A, et al. *Proc Natl Acad Sci U S A*. 2013 Aug 13;110(33):13594-9.
- Vargas-Blanco D, et al. *Ann Clin Microbiol Antimicrob*. 2017 May 19;16(1):41.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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