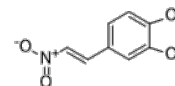


**Product Name** : PanK inhibitor MNS  
**Cat. No.** : PC-24659  
**CAS No.** : 22568-48-5  
**Molecular Formula** : C<sub>9</sub>H<sub>7</sub>NO<sub>4</sub>  
**Molecular Weight** : 193.16  
**Target** : Fungal  
**Solubility** : 10 mM in DMSO



CAS: 22568-48-5

## Biological Activity

PanK inhibitor MNS is a broad-spectrum antifungal, fungal-selective inhibitor of PanK with IC<sub>50</sub> of 1.13 μM and 17.74 μM against CaCab1p and AfPanKp respectively, directly engages and inhibits PanK to block CoA production.

MNS exerts relatively potent antifungal activity against the *C. albicans* reference strain – SC5314 (CAB1/CAB1), with an MIC<sub>50</sub> of 1.95-3.9 μM.

MNS does not inhibit human PanK1 at any concentration tested (IC<sub>50</sub> > 400 μM).

MNS shows dose-dependent reductions in intracellular CoA concentrations in treated wild-type *C. albicans* cells.

MNS (0.1 mg/kg/day) has antifungal efficacy in a mouse model of disseminated *Candida albicans* infection.

## References

Regan J, et al. Cell Chem Biol. 2025 May 15;32(5):710-721.e6.

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

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