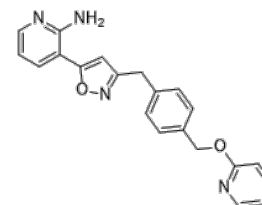


Product Name : Manogepix
Cat. No. : PC-23298
CAS No. : 936339-60-5
Molecular Formula : C₂₁H₁₈N₄O₂
Molecular Weight : 358.40
Target : Fungal
Solubility : 10 mM in DMSO



Biological Activity

Manogepix (APX001A, E1210) is a potent antifungal agent targeting the fungal glycosylphosphatidylinositol acyltransferase Gwt1, demonstrates potent in vitro activity against clinical isolates of both *Candida* (*Candida* spp, MIC_{50/90}=0.008/0.12 mg/L) and *Aspergillus* species.

Manogepix (APX001A, E1210) inhibits Gwt1 activity and blocks the inositol acylation step during the synthesis of glycosylphosphatidylinositol-anchored proteins in the fungal cell wall.

Manogepix (APX001A, E1210) demonstrates broad-spectrum antifungal activity against common species of *Candida*, *Cryptococcus*, *Aspergillus*, and MDR strains such as *C. auris*, *Trichosporon*, *Lomentospora*, *Scedosporium*, and rare molds, which are often difficult to treat due to their inherent resistance to many antifungals.

References

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Dai X, et al. *Nat Commun.* 2024 Oct 24;15(1):9194.

Hodges MR, et al. *Antimicrob Agents Chemother.* 2023 Apr 18;67(4):e0162322.

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

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