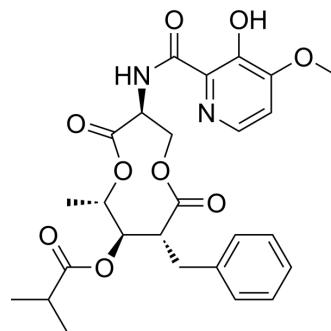


UK-2A

Cat. No.:	HY-19965
CAS No.:	167173-85-5
Molecular Formula:	C ₂₆ H ₃₀ N ₂ O ₉
Molecular Weight:	514.52
Target:	Antibiotic; Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	UK-2A (Antibiotic UK 2A) is a potent antifungal antibiotic. UK-2A shows antifungal activity ^{[1][2]} .
In Vitro	UK-2A (0-100 µg/mL; 24, 48, 120 h) shows antifungal activity against <i>R. mucilaginosa</i> IFO 0001 with MICs of 1.56, >100, >100 µg/mL at 24, 48, 120 h, respectively ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Ueki M, et al. UK-2A, B, C and D, novel antifungal antibiotics from *Streptomyces* sp. 517-02. I. Fermentation, isolation, and biological properties. *J Antibiot (Tokyo)*. 1996 Jul;49(7):639-43.
- [2]. Tani K, et al. UK-2A, B, C, and D, novel antifungal antibiotics from *Streptomyces* sp. 517-02 VII. Membrane injury induced by C9-UK-2A, a derivative of UK-2A, in *Rhodotorula mucilaginosa* IFO 0001. *J Antibiot (Tokyo)*. 2002 Mar;55(3):315-21.

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

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