UK-2A

Cat. No.:	HY-19965	O OH
CAS No.:	167173-85-5	
Molecular Formula:	$C_{26}H_{30}N_2O_9$	
Molecular Weight:	514.52	
Target:	Antibiotic; Fungal	<́ ́ ≽=0
Pathway:	Anti-infection	
Storage:	Please store the product under the recommended conditions in the Certificate of	
	Analysis.	\setminus

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 R. mucilaginosa IFO 0001 with MICs of 1.56, >100, >100	
	μ g/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 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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Product Data Sheet

