

Benanomicin B (formate)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Benanomicin B is a microbial metabolite that has been found in Actinomycetes and has antifungal, fungicidal, and antiviral activities. ^{1,2} It is active against a variety of mammalian and plant pathogenic fungi, including <i>C. albicans</i> , <i>T. mentagrophytes</i> , <i>C. neoformans</i> , and <i>P. oryzae</i> (MICs = 1.56-50 µg/ml). ¹ Benanomicin B inhibits HIV-1 viral infection in MT-4 cells in a concentration-dependent manner. ²
Targets(IC50)	Others

Reference

Takeuchi, T., Hara, T., Naganawa, H., et al. New antifungal antibiotics, benanomicins A and B from an actinomycete. *Antibiot. (Tokyo)* 41(6)807-811(1987)

Kondo, S., Gomi, S., Ikeda, D., et al. Antifungal and antiviral activities of benanomicins and their analogues. *Antibiot. (Tokyo)* 44(11)1228-1236(1990)

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