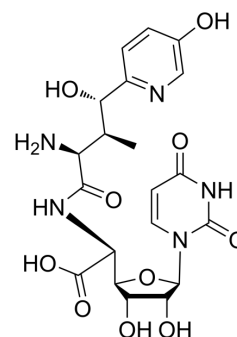


Nikkomycin Z

Cat. No.:	HY-19593		
CAS No.:	59456-70-1		
Molecular Formula:	C ₂₀ H ₂₅ N ₅ O ₁₀		
Molecular Weight:	495.44		
Target:	Fungal; Antibiotic		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : ≥ 31.25 mg/mL (63.08 mM)
 * "≥" means soluble, but saturation unknown.

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.0184 mL	10.0920 mL	20.1841 mL
5 mM	0.4037 mL	2.0184 mL	4.0368 mL
10 mM	0.2018 mL	1.0092 mL	2.0184 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Nikkomycin Z, a nucleoside-peptide, is a selective competitive chitin synthesis inhibitor. Nikkomycin Z has antifungal effects and acts as a competitive analogue of the chitin synthase substrate UDP-N-acetylglucosamine^[1].

REFERENCES

[1]. R Kovács, et al. Synergistic Effect of Nikkomycin Z With Caspofungin and Micafungin Against Candida Albicans and Candida Parapsilosis Biofilms. Lett Appl Microbiol. 2019 Oct;69(4):271-278.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA