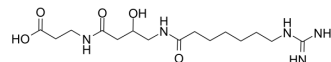


N-563

Cat. No.:	HY-100751		
CAS No.:	140686-92-6		
Molecular Formula:	C ₁₅ H ₂₉ N ₅ O ₅		
Molecular Weight:	359.42		
Target:	Fungal		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : < 1 mg/mL (ultrasonic;warming;heat to 80°C) (insoluble or slightly soluble)
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BIOLOGICAL ACTIVITY

Description	<p>N-563 is an analogue of deoxyspergualin with an immunostimulating activity, it promotes resistance to <i>Candida albicans</i> infection in mice. In vivo: The protective effect of the N-563 against <i>C. albicans</i> infection was investigated in normal and immunosuppressed mice. In normal mice, N-563 treatment at 10 mg/kg for 3 days prior to infection significantly prolonged the survival time. In immunosuppressed mice treated with a single dose of cyclophosphamide 4 days prior to infection, N-563 at 3 and 10 mg/kg for 3 days prior to infection also significantly prolonged the survival time of mice. In addition, it augmented the phagocytic activity of neutrophils and enhanced the delayed type hypersensitivity reaction against <i>C. albicans</i>. Coincidentally, N-563 appeared to protect against secondary infection with <i>C. albicans</i> in the delayed type hypersensitivity-positive mice.[1]N-563 was dissolved in physiological saline and filtered through a Millipore filter (0.22µm).[1]</p>
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REFERENCES

[1]. Aoyagi K. et al. The novel immunostimulant N-563, an analogue of deoxyspergualin, promotes resistance to *Candida albicans* infection in mice. *The Journal of Antibiotics*. Oct;47(10):1077-83. doi:10.7164/antibiotics.47.1077(1994)

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

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