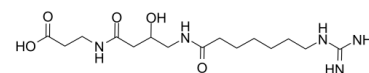


Data Sheet

Product Name:	N-563
Cat. No.:	CS-5960
CAS No.:	140686-92-6
Molecular Formula:	C ₁₅ H ₂₉ N ₅ O ₅
Molecular Weight:	359.42
Target:	Others
Pathway:	Others
Solubility:	10 mM in DMSO



BIOLOGICAL ACTIVITY:

N-563 is an analogue of deoxyspergualin with an immunostimulating activity, it promotes resistance to *Candida albicans* infection in mice. In vivo: The protective effect of the N-563 against *C. albicans* 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 *C. albicans*. Coincidentally, N-563 appeared to protect against secondary infection with *C. albicans* in the delayed type hypersensitivity-positive mice.[1] N-563 was dissolved in physiological saline and filtered through a Millipore filter (0.22μm).[1]

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)

CAIndexNames:

β-Alanine, N-[4-[[7-[(aminoiminomethyl)amino]-1-oxoheptyl]amino]-3-hydroxy-1-oxobutyl]-

SMILES:

O=C(NCCC(O)=O)CC(O)CNC(CCCCCCNC(N)=N)=O

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

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

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