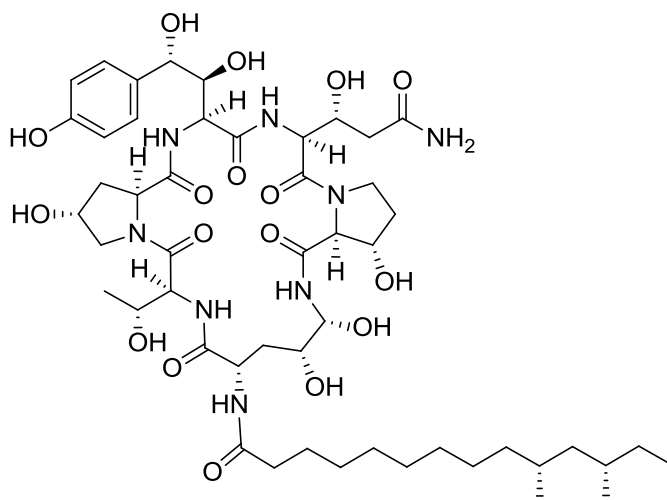


## Pneumocandin B0

Code No.: **BIA-P1274**

Pack sizes: **1 mg, 5 mg**



Synonyms :

### Specifications

CAS #	: 135575-42-7
Molecular Formula	: C <sub>50</sub> H <sub>80</sub> N <sub>8</sub> O <sub>17</sub>
Molecular Weight	: 1065.2
Source	: <i>Glarea lozoyensis</i>
Appearance	: White to off white solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

### Application Notes

Pneumocandin B0 is the major analogue of a family of lipopeptides isolated from some species of *Cryptosporiopsis*, *Glarea* and *Pezicula*. Pneumocandin B0 is a potent antifungal and acts by inhibiting the synthesis of  $\beta$ -(1,3)-D-glucan, an essential component of the cell wall of susceptible fungi.

### References

1. 671,329, a new antifungal agent I. Fermentation and isolation. Schwartz R. E. et al., J Antibiot. 1989, 42, 163.
2. 671,329, a new antifungal agent II. Structure determination Wichmann C. F. et al., J Antibiot. 1989, 42, 168.
3. L-671,329, a new antifungal agent. III. In vitro activity, toxicity and efficacy in comparison to aculeacin. Fromtling R. A. & Abruzzo G. K. J. Antibiot. 1989, 42, 168.