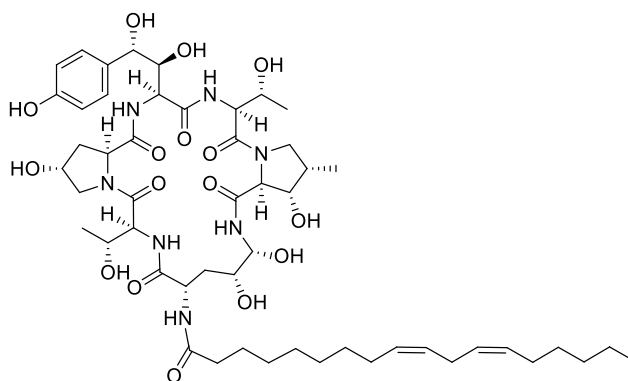


Echinocandin B

Code No.: **BIA-E1253**

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



Synonyms : A 30912, A 22082, 7810, SL 7810F

Specifications

CAS #	: 54651-05-7
Molecular Formula	: C₅₂H₈₁N₇O₁₆
Molecular Weight	: 1060.2
Source	: <i>Aspergillus</i> sp.
Appearance	: Off white to brownish powder
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

Echinocandin B is the major analogue of a family of lipopeptides isolated from several species of *Aspergillus*, reported in 1974. Echinocandin B is a potent antifungal and acts by inhibiting the synthesis of β -(1,3)-D-glucan, an essential component of the cell wall of susceptible fungi.

References

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2. Lysis of growing yeast-form cells of *Candida albicans* by echinocandin: a cytological study. Cassone A. et al., *Sabouraudia* 1981, 19, 97.
3. Echinocandin inhibition of 1,3-beta-D-glucan synthase from *Candida albicans*. Sawistowska-Schröder E. T. et al., *FEBS Lett.* 1984, 173, 134.
4. Influence of free fatty acids, lysophosphatidylcholine, platelet-activating factor, acylcarnitine, and echinocandin B on 1,3-beta-d-glucan synthase and callose synthesis. Kauss H. & Jeblick W. *Plant Physiol.* 1986, 80, 7.