

## 芬净及其衍生物技术

### Technology of Fungins and its derivatives

**Micafungin(米卡芬净) is from FR901379 via FR179642. Microbial deacylation was carried out using the cells of *Actinoplanes utahensis* at first and then those of *Streptomyces* sp. no. 6907.**

**Anidulafungin(阿尼芬净) is from Echinocandin B which is a naturally occurring secondary metabolite isolated from fermentation broth of *Aspergillus nidulans*. Microbial deacylation was carried out from Echinocandin B to echinocandin B nucleus. This cyclic lipopeptide is used as a key intermediate for synthesis of anidulafungin**

**Caspofungin (卡泊芬净) is from Pneumocandin B0 (also known as Pneumocardin B0 or L-688786) which is a naturally occurring secondary metabolite isolated from fermentation broth of *Zalerion arboricola*. This cyclic lipopeptide is used as a key intermediate for synthesis of caspofungin [CAS # 162808-62-0] and caspofungin acetate [CAS 179463-17-3], etc.**