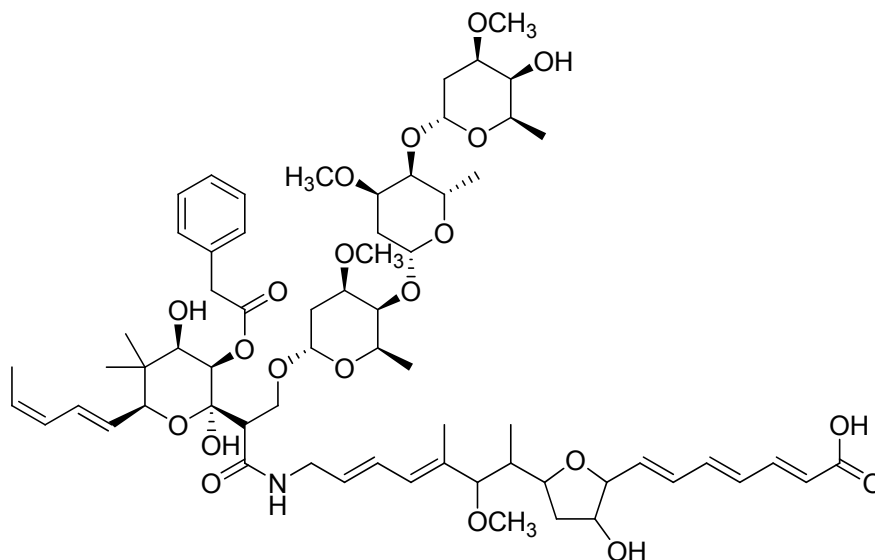


Phenelfamycin E

Code: **BIA-P1289**

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



Synonyms : **Antibiotic LL-E 19020, Ganefromycin-α**

Specifications

CAS # : **114451-31-9**
Molecular Formula : **C₆₅H₉₅NO₂₁**
Molecular Weight : **1226.5**
Source : ***Streptomyces* sp.**
Appearance : **Light tan solid**
Purity : **>95%**
Storage : **-20°C**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.**

Application Notes

Phenelfamycin E is the major analogue of the phenelfamycin complex produced by several species of *Streptomyces*. The phenelfamycins are potent antibiotics with good activity against Gram +ve bacteria, notably *Clostridium difficile*, however phenelfamycin E has received little attention in the literature.

References

1. Phenelfamycins, a novel complex of elfamycin-type antibiotics. I. Discovery, taxonomy and fermentation. Jackson M. et al. J. Antibiot. 1988, 41, 1293.
2. Phenelfamycins, a novel complex of elfamycin-type antibiotics. II. Isolation and structure determination. Hochlowski J. E. et al. J. Antibiot. 1988, 41, 1300.