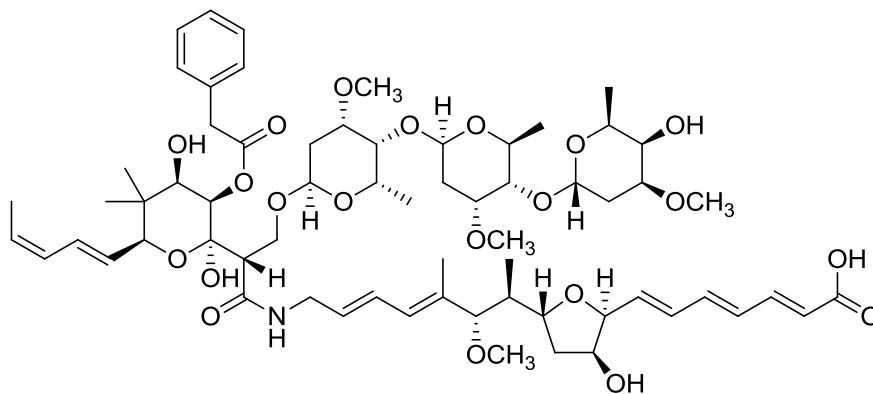


Phenelfamycin E

Code No.: **BIA-P1289**

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



Synonyms : LL-E 19020, Ganefromycin- α

Specifications

| | |
|-------------------|--|
| CAS # | : 114451-31-9 |
| Molecular Formula | : $C_{65}H_{95}NO_{21}$ |
| Molecular Weight | : 1226.5 |
| Source | : <i>Streptomyces</i> sp. |
| Appearance | : Light tan solid |
| Purity | : >95% by HPLC |
| Long Term 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 positive bacteria, notably *Clostridium difficile*, however phenelfamycin E has received little attention in the literature.

References

1. Phenelfamycinism, a novel complex of elfamycin-type antibiotics. 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.