Feglymycin

**Specifications**

- **CAS #**: 209335-49-9
- **Molecular Formula**: C_{95}H_{97}N_{13}O_{30}
- **Molecular Weight**: 1900.9
- **Source**: *Streptomyces* sp.
- **Appearance**: Tan solid
- **Purity**: >95% by HPLC
- **Long Term Storage**: -20°C
- **Solubility**: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

**Application Notes**

Feglymycin is an amphoteric, 13-member, linear peptide featuring 3,5-dihydroxyphenylalanine and a terminal dicarboxylate amino acid, isolated from a *Streptomyces* in 1999. Feglymycin is a potent antiviral agent with antibacterial activity, including against MRSA. Feglymycin specifically inhibits the enzymes MurA and MurC and inhibits cell-to-cell transfer between HIV-infected T cells, uninfected CD4+ T cells, and the DC-SIGN-mediated viral transfer to CD4+ T cells.

**References**

2. Feglymycin is an inhibitor of the enzymes MurA and MurC of the peptidoglycan biosynthesis pathway. Rausch S. et al., Chembiochem. 2011, 12, 1171.

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