

<b>Product Name:</b>	Feglymycin
<b>Product Number:</b>	F024
<b>CAS Number:</b>	209335-49-9
<b>Molecular Formula:</b>	C <sub>95</sub> H <sub>97</sub> N <sub>13</sub> O <sub>30</sub>
<b>Molecular Weight:</b>	1900.9
<b>Appearance:</b>	Tan solid
<b>Storage Conditions:</b>	-20°C
<b>Description:</b>	<p>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.</p> <p>Feglymycin is soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.</p>
<b>Mechanism of Action:</b>	<p>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.</p>
<b>References:</b>	<p>Feglymycin, a novel inhibitor of the replication of the human immunodeficiency virus. Fermentation, isolation and structure elucidation. Vértessy L. et al. J. Antibiot. 1999, 52, 374.</p> <p>Feglymycin is an inhibitor of the enzymes MurA and MurC of the peptidoglycan biosynthesis pathway. Rausch S. et al. Chembiochem. 2011, 12, 1171.</p> <p>Feglymycin, a unique natural bacterial antibiotic peptide, inhibits HIV entry by targeting the viral envelope protein gp120. Férrir G. Virology 2012, 433, 308.</p>