

<b>Product Name:</b>	Virginiamycin B
<b>Product Number:</b>	V021
<b>CAS Number:</b>	3131-03-1
<b>Molecular Formula:</b>	$C_{45}H_{54}N_8O_{10}$
<b>Molecular Weight:</b>	867.0
<b>Appearance:</b>	White solid
<b>Storage Conditions:</b>	-20°C
<b>Description:</b>	<p>Virginiamycin B is a depsipeptide antibiotic co-produced with ostreogrycin A, together used as a synergistic mixture. Virginiamycin B, also known as ostreogrycin B and streptogramin B among other synonyms, was discovered independently and named by several groups, leading to considerable confusion in the literature.</p> <p>Virginiamycin B is soluble in ethanol, methanol, DMF and DMSO.</p>
<b>Mechanism of Action:</b>	Virginiamycin B acts a synergist, binding to the conformational change of the peptidyl transferase centre of the 50S ribosome induced by ostreogrycin A.
<b>References:</b>	<p>Preparation and properties of an antibiotic complex E129. Ball S. Biochem. J. 1958, 68, 24P.</p> <p>Inhibition of protein synthesis by streptogramins and related antibiotics. Cocito C. et al. J. Antimicrob. Chemotherap. 1997, 39, 7.</p> <p>Sites of interaction of streptogramin A and B antibiotics in the peptidyl transferase loop of 23 S rRNA and the synergism of their inhibitory mechanisms. Porse B. T. and Garrett R. A. J. Mol. Biol. 1999, 286, 375.</p>