

<b>Product Name:</b>	Platensimycin
<b>Product Number:</b>	P090
<b>CAS Number:</b>	835876-32-9
<b>Molecular Formula:</b>	$C_{24}H_{27}NO_6$
<b>Molecular Weight:</b>	441.2
<b>Appearance:</b>	Light tan solid
<b>Storage Conditions:</b>	-20°C
<b>Description:</b>	<p>Platensimycin is a novel, broad spectrum, Gram-positive antibiotic produced by strains of <i>Streptomyces platensis</i>. Its discovery was heralded by high profile publication and commentary in the scientific and lay press. Platensimycin was discovered by a target-based, whole-cell screening strategy using an antisense differential sensitivity assay, based on the inhibition of fatty acid synthesis.</p>
<b>Mechanism of Action:</b>	<p>Platensimycin is soluble in ethanol, methanol, DMF and DMSO.</p> <p>Platensimycin inhibits bacterial growth by selectively inhibiting the elongation enzyme, b-ketoacyl acyl carrier protein synthase (FabF) of the fatty acid synthesis pathway.</p>