

Product Name:	L-681217
Product Number:	L022
CAS Number:	93522-10-2
Molecular Formula:	$C_{36}H_{53}NO_{10}$
Molecular Weight:	659.8
Appearance:	Light Yellow Powder
Storage Conditions:	-20°C
Description:	<p>L-681217 is a glycolipid-type antibiotic related to the efrotomycin class, isolated from a <i>Streptomyces</i> sp.. L 681,217 shows broad spectrum antibiotic activity against Gram positive and Gram negative bacteria.</p> <p>L-681217 is soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.</p>
Mechanism of Action:	L-681217 inhibits bacterial protein synthesis at the elongation stage, its target being elongation factor Tu (EF-Tu).
References:	<p>Effects of elfamycins on elongation factor Tu from <i>Escherichia coli</i> and <i>Staphylococcus aureus</i>. Hall C.C. et al. <i>Antimicrob. Agents Chemother.</i> 1989, 33, 322.</p> <p>L-681,217, a new and novel member of the efrotomycin family of antibiotics. Kempf A.J. et al. <i>J. Antibiot.</i> 1986, 39, 1361.</p>