

Product Name:	Pirlimycin
Product Number:	P086
CAS Number:	79548-73-5
Molecular Formula:	$C_{17}H_{31}ClN_2O_5S$
Molecular Weight:	410.2
Appearance:	White solid
Storage Conditions:	-20°C
Description:	<p>Pirlimycin is a semi-synthetic lincosamide prepared from clindamycin by hydrolysing the propyl N-methylproline and re-annealing a 4-ethylpipercolic acid. Pirlimycin is more hydrophobic than clindamycin and is more potent against a number of important pathogens. Like other members of the lincosamide family, pirlimycin is a broad spectrum antibiotic with activity against anaerobic bacteria and protozoans. Pirlimycin has been less extensively researched than the older lincosamides.</p> <p>Pirlimycin is soluble in ethanol, methanol, DMF or DMSO. Good water solubility.</p>
Mechanism of Action:	Pirlimycin acts by binding to the 23S ribosomal subunit, blocking protein synthesis.