

Product Name:	Platencin
Product Number:	P089
CAS Number:	869898-86-2
Molecular Formula:	$C_{24}H_{27}NO_6$
Molecular Weight:	425.2
Appearance:	Light tan solid
Storage Conditions:	-20°C
Description:	<p>Platencin is a novel, broad spectrum, Gram-positive antibiotic produced by strains of <i>Streptomyces platensis</i>. Platencin is more potent than its analogue, platensimycin. Platencin shows potent in vivo efficacy without any observed toxicity. Platencin targets two essential proteins, b-ketoacyl-acyl carrier protein (ACP) synthase II (FabF) and III (FabH) whereas platensimycin targets only FabF.</p> <p>Platencin is soluble in ethanol, methanol, DMF and DMSO.</p>
References:	<p>Isolation and Structure of Platencin: A FabH and FabF Dual Inhibitor with Potent Broad-Spectrum Antibiotic Activity. Jayasuriya H. et al. , Angew. Chem. Int. Ed. 2007, 46, 4684.</p> <p>Discovery of platencin, a dual FabF and FabH inhibitor with in vivo antibiotic properties. Wang J. et al. , PNAS 2007, 104, 7612.</p>