

Product Name:	Actagardin
Product Number:	A113
CAS Number:	59165-34-3
Molecular Formula:	$C_{81}H_{124}N_{20}O_{24}S_4$
Molecular Weight:	1890.2
Appearance:	White to off white solid
Storage Conditions:	-20°C
Description:	<p>Actagardin is a high molecular weight tetracyclic antibiotic produced by several species of Actinoplanes. Actagardin is an antibiotic in which the macrocyclic rings are formed by thioether, rather than disulphide, bridges. Actagardin is a potent Gram positive and Gram negative antibiotic. Actagardin acts by inhibition of peptidoglycan biosynthesis.</p> <p>Actagardin is soluble in ethanol, methanol, DMF and DMSO.</p>
Mechanism of Action:	Actagardin acts by inhibition of peptidoglycan biosynthesis.
References:	<p>Gardimycin, a new antibiotic from Actinoplanes. I. Description of the producer strain and fermentation studies. Parenti F. et al. J. Antibiot. 1976, 29, 501.</p> <p>Gardimycin, a new antibiotic from Actinoplanes. II Isolation and preliminary characterisation. Coronelli C. et al. J. Antibiot. 1976, 29, 507.</p>