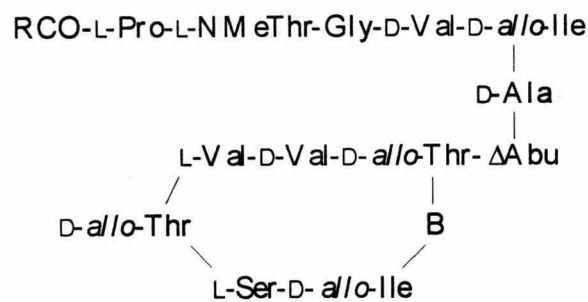


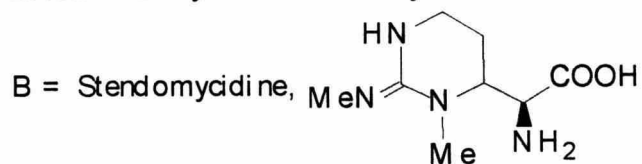
Name:	<i>Streptomyces antimycoticus</i>
Authors:	Waksman 1957
Status:	Approved Lists
Reference(s):	Int. J. Syst. Bacteriol. 30:372 (AL)
Risk group:	1 (German classification)
Type strain:	NRRL 2421, DSM 40284

Secondary metabolites from *Streptomyces antimycoticus*

Stendomycin, polypeptide antibiotic complex, antifungal agent



NMeThr = N-Methylthreonine
 Δ Abu = Dehydro- α -aminobutyric acid



R = $(\text{H}_3\text{C})_2\text{CH}(\text{CH}_2)_{10}$ (54%), $\text{C}_{12}\text{H}_{25}$ (30%), $\text{C}_{11}\text{H}_{23}$ (16%)

Genus: *Streptomyces*

FH 2047

Species: *antimycoticus*

Numbers in other collections: DSM 40284

Morphology:

<u>ISP 2</u>	G	R
	good	yellow
	A	SP
<u>ISP 3</u>	gray	none
	G	R
	good	yellow
<u>ISP 4</u>	A	SP
	gray	none
	G	R
<u>ISP 5</u>	good	yellow
	A	SP
	gray	none
<u>ISP 6</u>	G	R
	good	yellow
	A	SP
<u>ISP 7</u>	gray	none
	G	R
	none	yellow
	A	SP
	gray	none

Spore chains: Sp

Spore surface: warty

Sporangia:

Fragmentation:

Melanoid pigment: - - - -

NaCl resistance: 0 %

Lysozyme resistance:

pH: Value- Optimum-

Temperature : Value- Optimum- 28 °C

Carbon utilization:

Glu	Ara	Suc	Xyl	Ino	Man	Fru	Rha	Raf	Cel
+	+	+	-	+	+	+	+	+	+

Enzymes:

Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
+	-	+	-	-	(+)	-	-	+	-	-

Comments



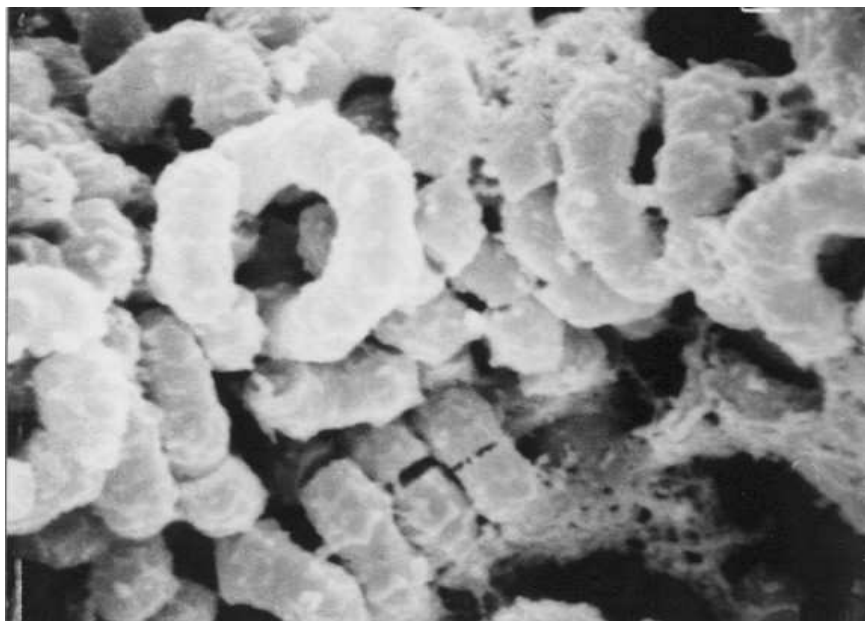
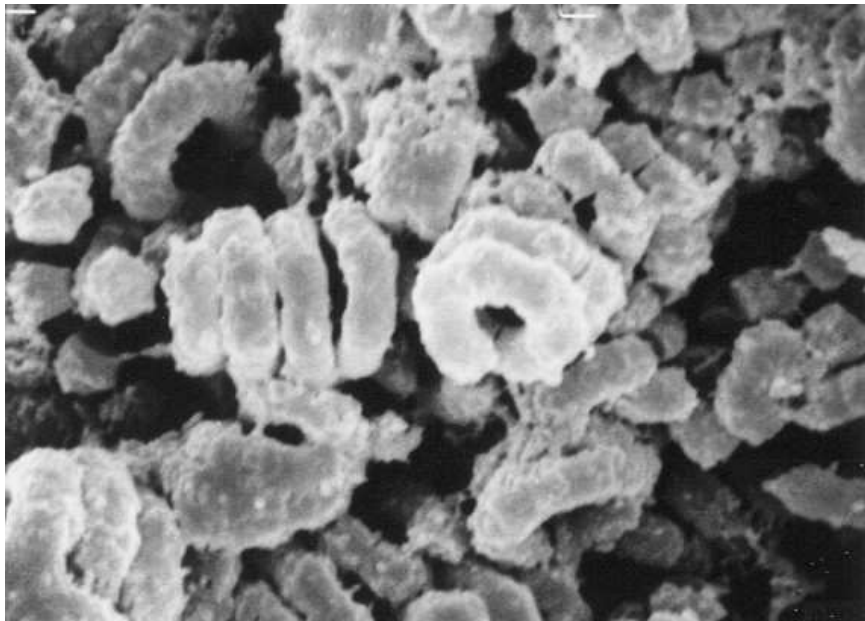
Streptomyces antimycoticus

A and B – Agar plates medium 5006, 5265 and 5315



Streptomyces antimycoticus

C and D – Microplate with ISP- and melanin media



Streptomyces antimycoticus

Spore chain morphology and spore surface in SEM

E x 7.500 F x 10.000