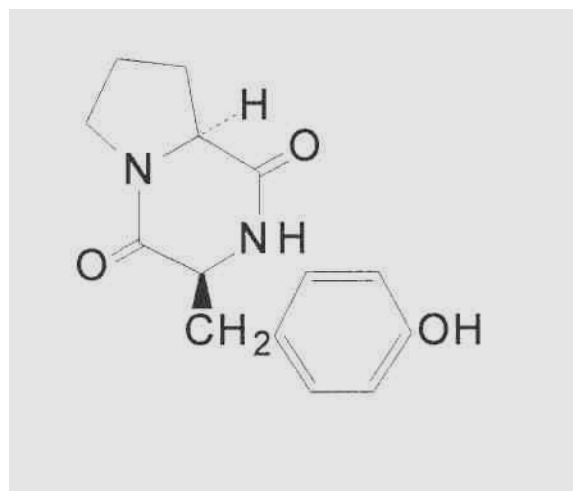


Name:	<b><i>Streptomyces gelaticus</i></b>
Authors:	(Waksman 1923) Waksman and Henrici 1948
Status:	Approved Lists
Reference(s):	Int. J. Syst. Bacteriol. 30:383 (AL)
Risk group:	1 (German classification)
Type strain:	ATCC 3323, IMET 40285, DSM 40065

Secondary metabolites from *Streptomyces gelaticus*  
Cyclo(prolytyrosyl), diketopiperazin antibiotic, cytotoxic, plant growth regulator, possesses pesticidal property



**Genus:** *Streptomyces*

FH 1993

**Species:** *gelaticus*

**Numbers in other collections:** IMET 40285

Morphology:

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

Spore chains: Rf

Spore surface: smooth

Sporangia:

Fragmentation:

**Melanoid pigment:** - - - -

**NaCl resistance:**

**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**



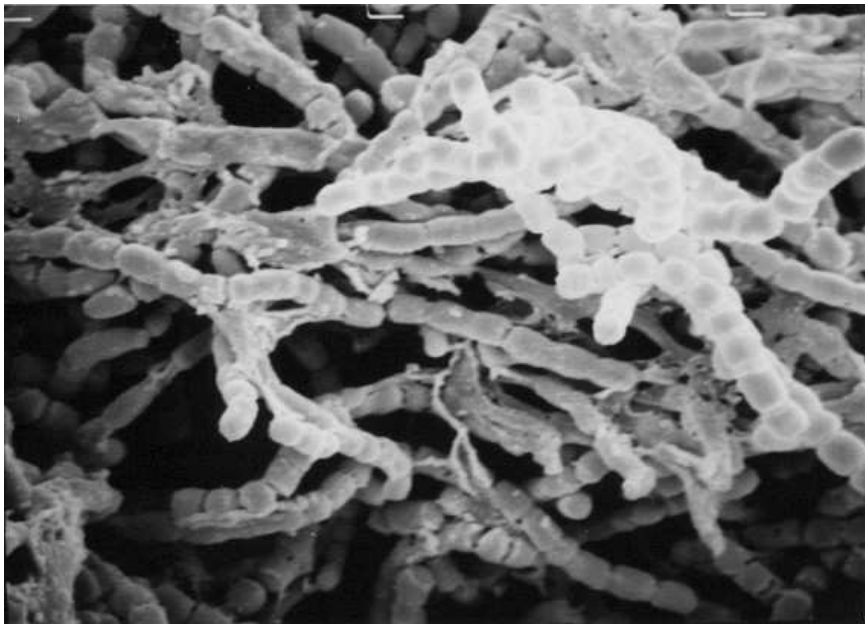
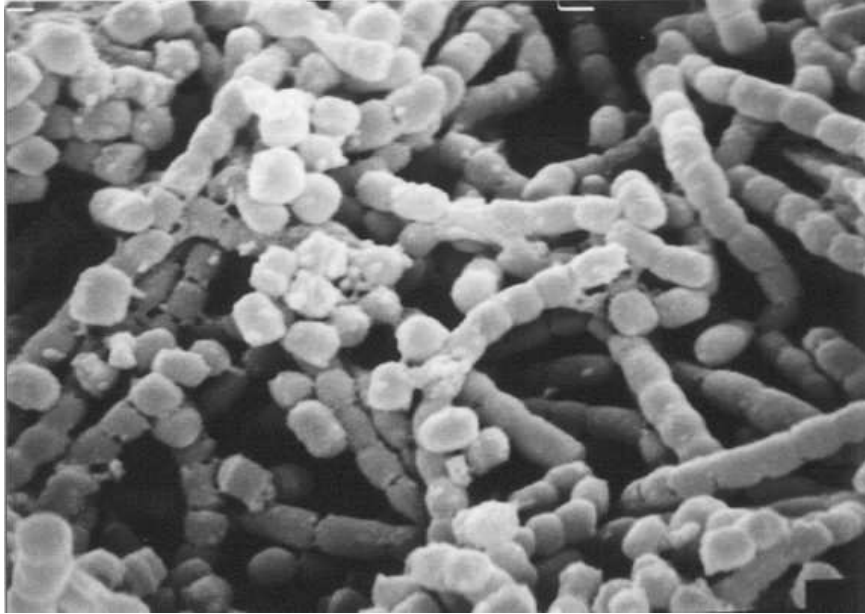
***Streptomyces gelaticus***

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



***Streptomyces gelaticus***

C and D - Microplate with ISP- and melanin media



***Streptomyces gelaticus***

Spore chain morphology and spore surface in SEM

E x 5.000 F x 7.500