

Name: ***Streptomyces aburaviensis***

Authors: Nishimura et al. 1957

Status: Approved Lists

Reference(s): Int. J. Syst. Bacteriol. 30:368 (AL)

Risk group: 1 (German classification)

Type strain: ATCC 23869, IMET 43031, DSM 40033

Genus: *Streptomyces*

FH 2008

Species: *aburaviensis*

Numbers in other collections: IMET 43031

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	none
	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
	white	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
+	+	-	-	-	+	(+)	-	-	-

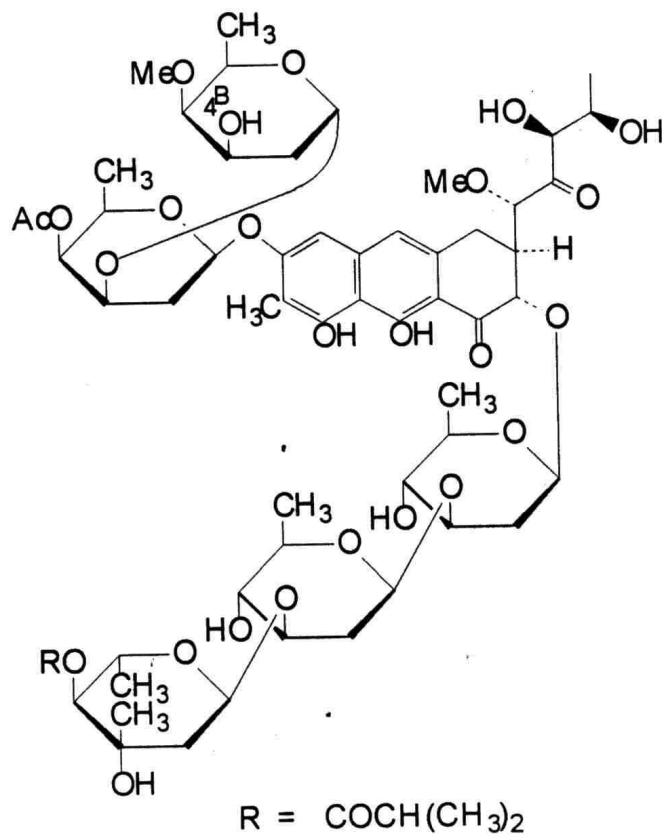
Enzymes:

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

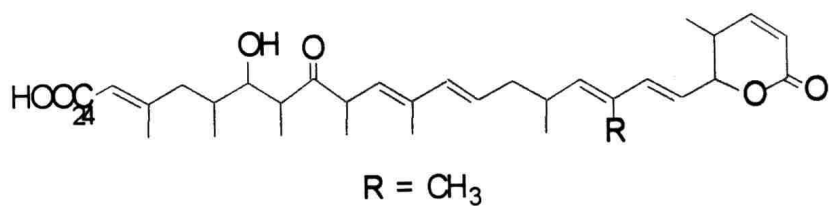
Comments:

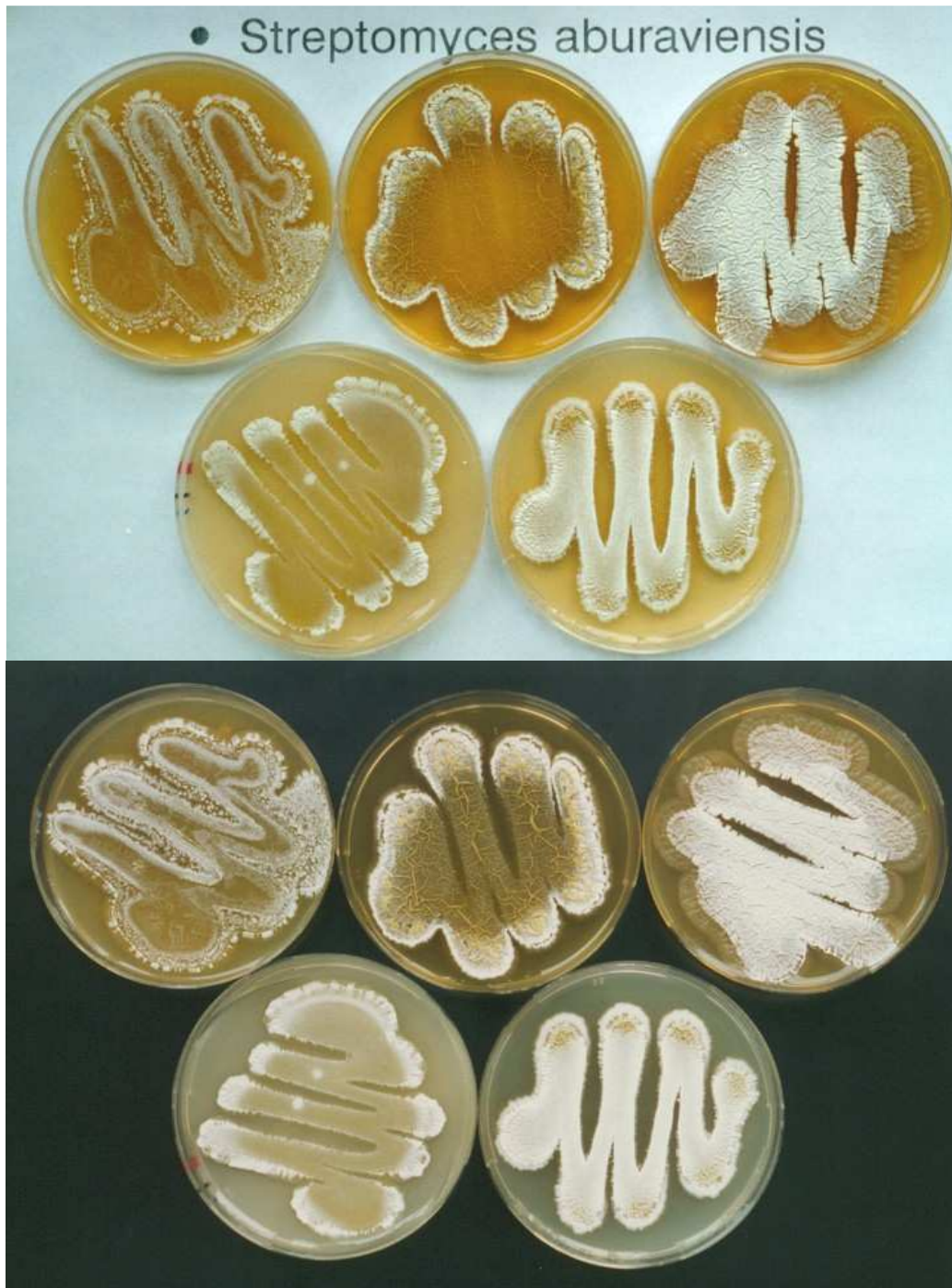
Secondary metabolites from *Streptomyces aburaviensis*

Chromomycin, antineoplastic antibiotic



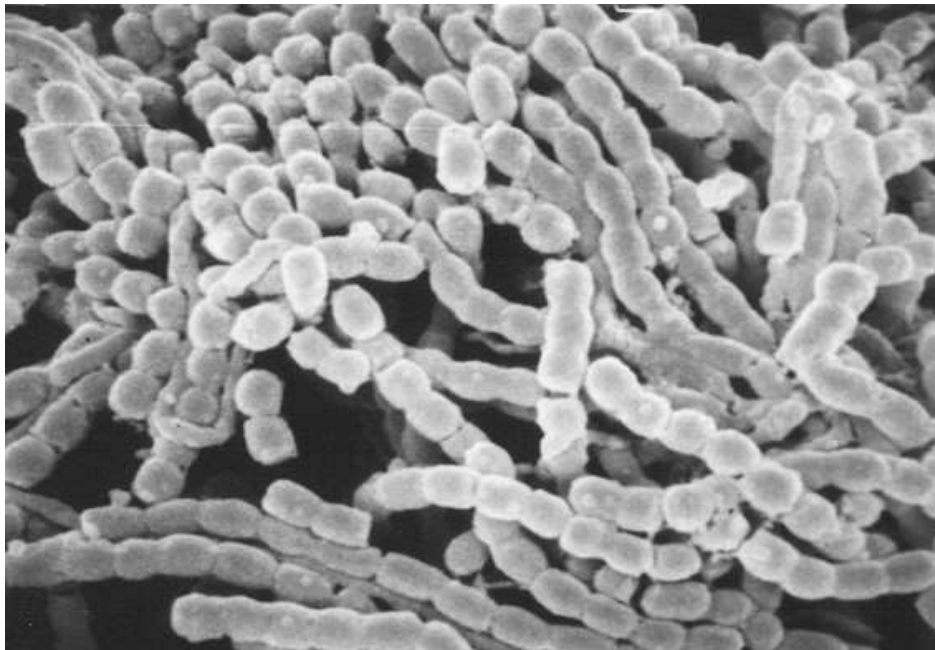
Leptomycin A, active against yeasts and fungi, antitumor agent





Streptomyces aburaviensis

A and B – Agar plates medium 5317, 5006, 5265, 5315 and 5323



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Spore chain morphology and spore surface in SEM

C x 7.500 D x 10.000