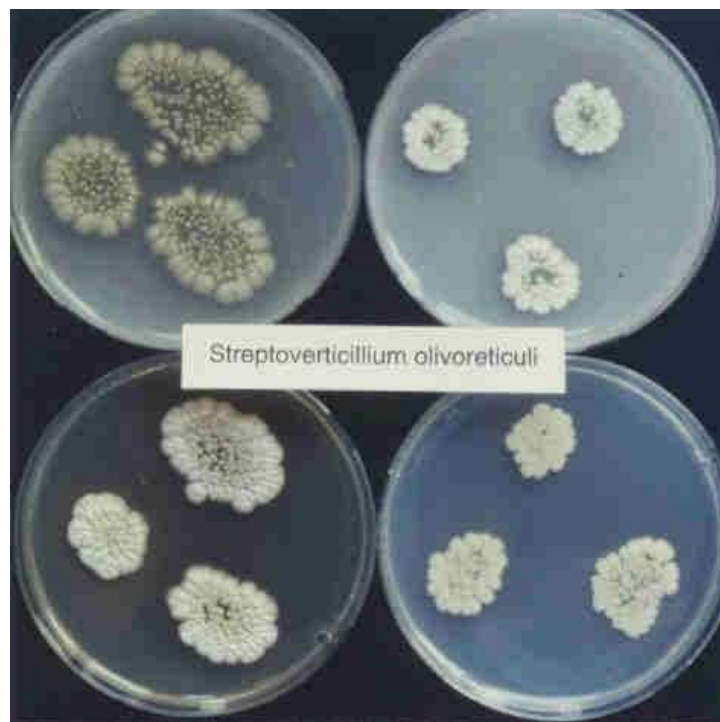
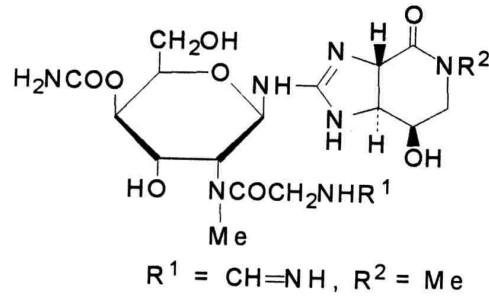


Name:	<b><i>Streptomyces olivoreticuli</i> subsp. <i>olivoreticuli</i></b>
Authors:	(Arai et al. 1957) Witt and Stackebrandt 1991
Status:	New Combination
Reference(s):	Int. J. Syst. Bacteriol. 41:456 (validation list)
Risk group:	1 (German classification)
Type strain:	ATCC 23943, CBS 927.68, IFO 12896, ISP 5105, RIA 1122, DSM 40105
Other names:	<i>Streptoverticillium olivoreticuli</i> subsp. <i>olivoreticuli</i> (basonym)

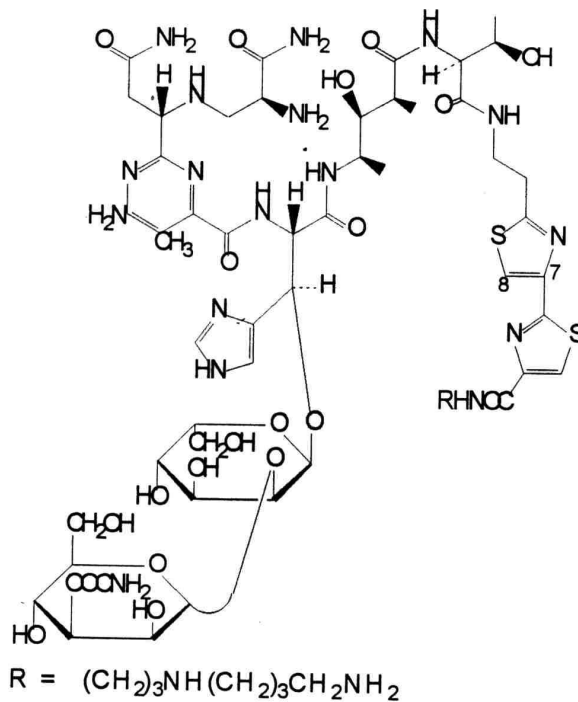


Secondary metabolites from *Streptomyces olivoreticuli*

Nucleoside antibiotic of the Streptothricin group, active against gram-positive and -negative bacteria and fungi



Bleomycin A, antineoplastic agent





**Genus:** *Streptomyces*

FH 1713

**Species:** *olivoreticuli*

**Subspecies:** *olivoreticuli*

**Numbers in other collections:** ATCC 31159

Morphology:

<u>ISP 2</u>	G	R
	good	beige
	A	SP
<u>ISP 3</u>	beige to yellow	none
	G	R
	good	beige to yellow
<u>ISP 4</u>	A	SP
	beige	none
	G	R
<u>ISP 5</u>	good	beige
	A	SP
	beige	none
<u>ISP 6</u>	G	R
	good	brown
	A	SP
<u>ISP 7</u>	none	dark brown
	G	R
	good	brown
	A	SP
	beige	dark brown

Spore chains: Ve

Spore surface: smooth

Sporangia:

Fragmentation:

**Melanoid pigment:** + + + -

**NaCl resistance:** 2,5 %

**Lysozyme resistance:** 0,5 %

**pH:** Value- Optimum-

**Temperature :** Value- Optimum- 28 °C

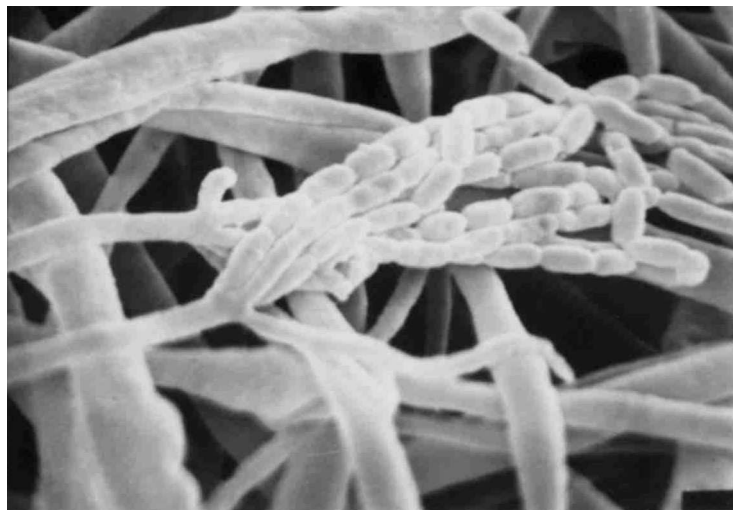
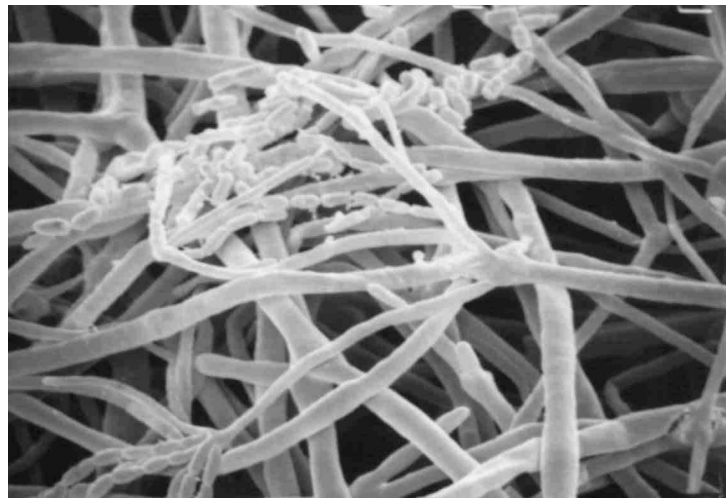
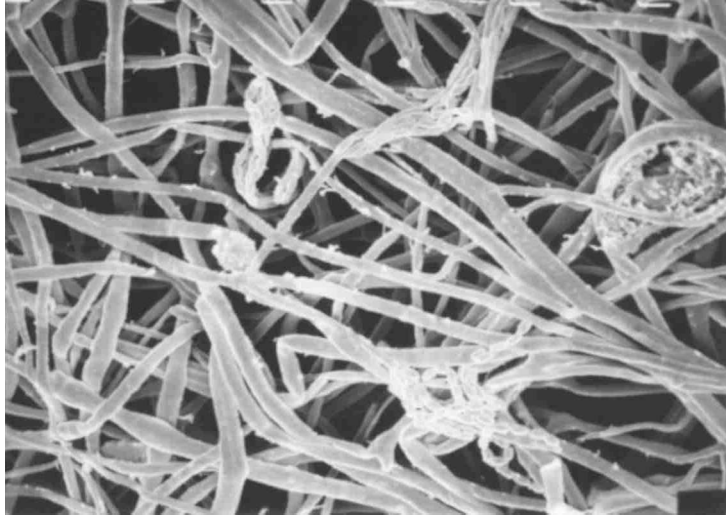
**Carbon utilization:**

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

**Enzymes:**

Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H <sub>2</sub> S
-	-	-	(+)	-	-	(+)	-	-	-	(+)

**Comments:**



***Streptomyces olivoreticuli* subsp. *olivoreticuli***

Verticillation of aerial mycelium and smooth spores in SEM

A x 2.000

B x 3.500

C x 7.500