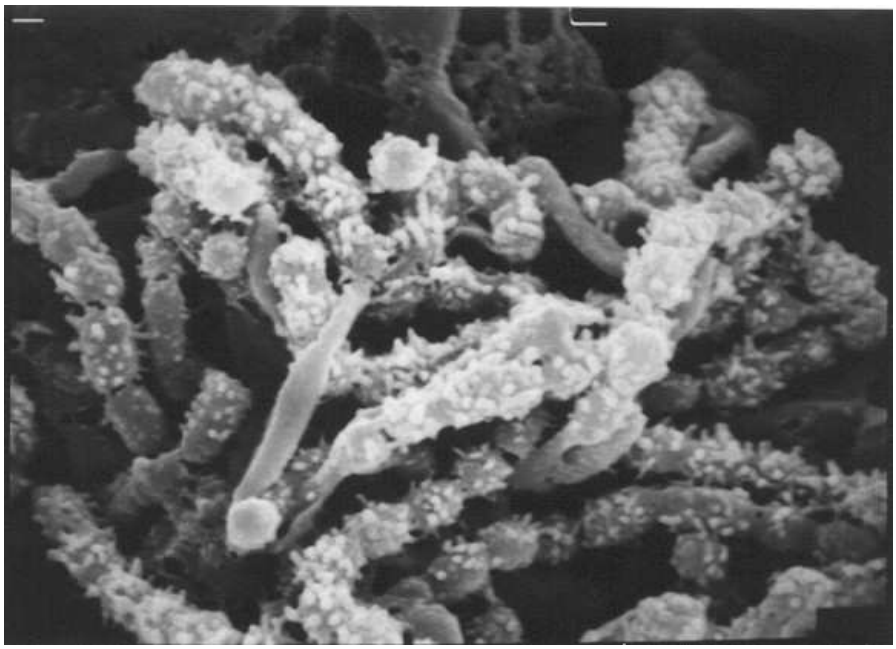
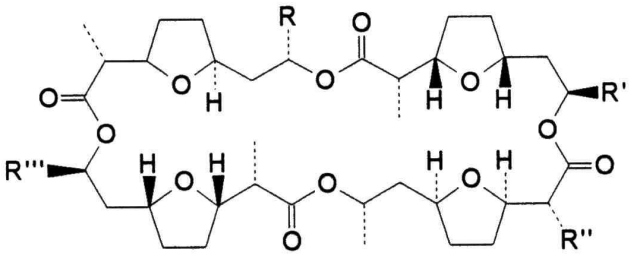
Name:	***Streptomyces flaveolus***
Authors:	(Waksman 1923) Waksman and Henrici 1948
Status:	Approved Lists
Reference(s):	Int. J. Syst. Bacteriol. 30:381 (AL)
Risk group:	1 (German classification)
Type strain:	ATCC 3319, IMET 40233, DSM 40061



Streptomyces flaveolus
A – Spore chain morphology and spore surface in SEM (x 7.500)

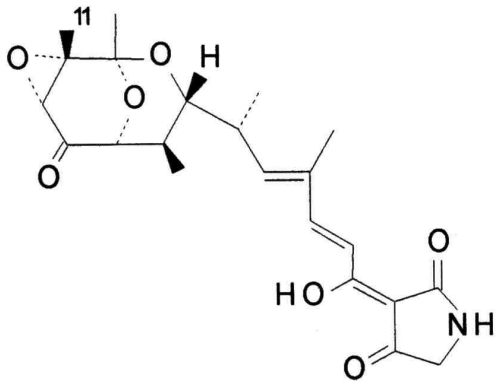
Secondary metabolites from *Streptomyces flaveolus*

Macrotetrolide G, active against gram-positive bacteria



A: R = R' = CH_3, R'' = $CH(CH_3)_2$, R''' = CH_2CH_3
B: R = R' = CH_3, R'' = CH_2CH_3, R''' = $CH(CH_3)_2$
C: R = R'' = CH_3, R' = CH_2CH_3, R''' = $CH(CH_3)_2$

Triandamycin A, tetramic acid antibiotic, active against gram-positive bacteria, potent inhibitor of RNA-polymerase



Genus: ***Streptomyces*** **FH 2011**
Species: ***flaveolus***
Numbers in other collections: IMET 40233

Morphology:

	G	R
ISP 2	good	yellow
	A	SP
	grey	yellow
	G	R
ISP 3	good	yellow
	A	SP
	grey	yellow
	G	R
ISP 4	good	yellow
	A	SP
	grey	yellow
	G	R
ISP 5	good	yellow
	A	SP
	grey	yellow
	G	R
ISP 6	good	yellow
	A	SP
	none	none
	G	R
ISP 7	good	yellow
	A	SP
	white	none

Spore chains: RF Spore surface: hairy
Sporangia: Fragmentation:

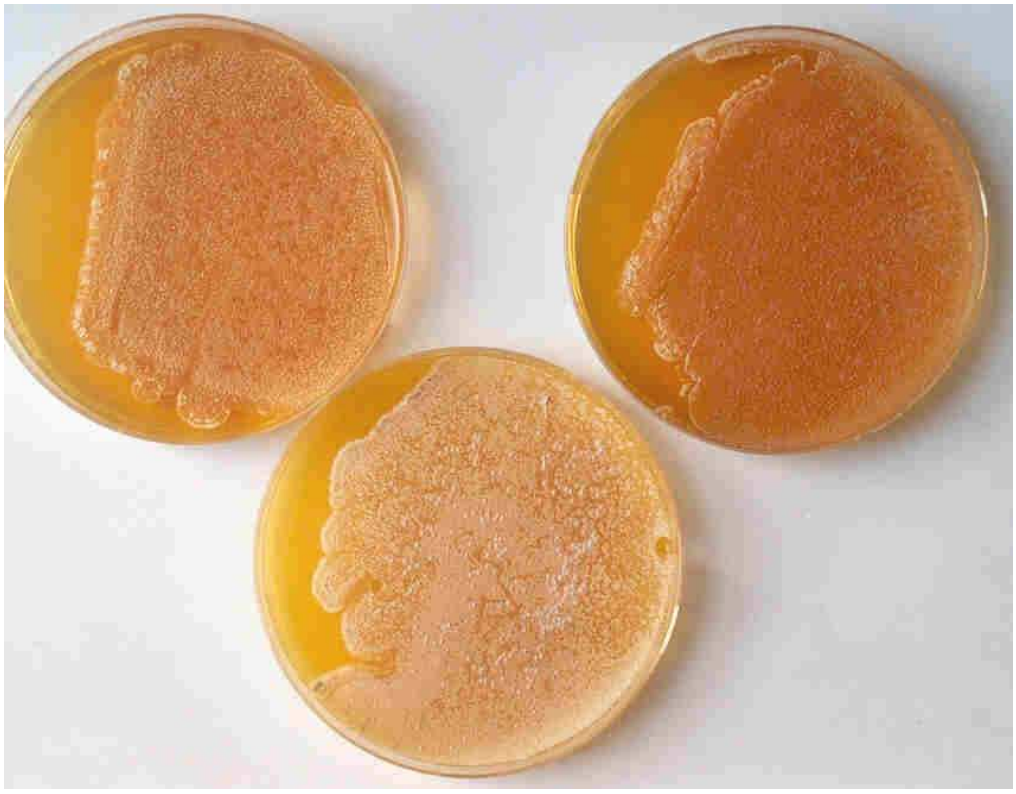
Melanoid pigment: -
NaCl resistance:
Lysozyme resistance: -
pH: Value- Optimum-
Temperature : Value- Optimum- 28℃

Carbon utilization:

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

Enzymes:

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



Streptomyces flaveolus
B and C – Agar plates medium 5006, 5265 and 5315

Streptomyces flaveolus
D and E – Microplate with ISP- and melanin media