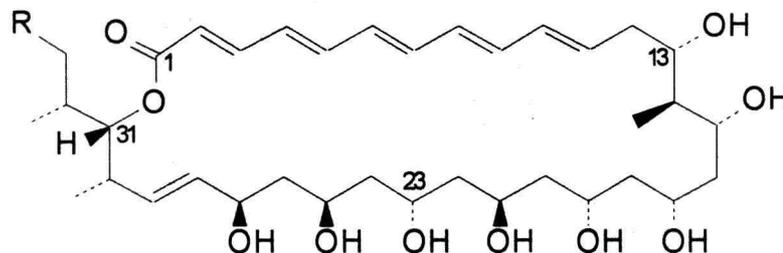


Name:	<i>Streptomyces ruber</i>
Authors:	(Thirumalachar 1955) Goodfellow et al. 1986
Status:	New Combination
Reference(s):	Int. J. Syst. Bacteriol. 36:575 (validation list)
Risk group:	1 (German classification)
Type strain:	ATCC 17754, ISP 5304, JCM 3131, KCC A-0131, NCIB 10983, DSM 40304
Other names:	<i>Chainia rubra</i> (basonym)

Secondary metabolites from *Streptomyces ruber*
Flavofungin II, pentaene antibiotic, antifungal agent



Flavofungin I R = H

Flavofungin II R = CH₃

Genus: *Streptomyces*

FH 2154

Species: *ruber*

Numbers in other collections: ATCC 17754

Former *Chainia rubra*

Morphology:

<u>ISP 2</u>	G	R
	good	red brown
	A	SP
<u>ISP 3</u>	red brown	red brown
	G	R
	good	red
<u>ISP 4</u>	A	SP
	red	red
	G	R
<u>ISP 5</u>	good	orange
	A	SP
	red	none
<u>ISP 6</u>	G	R
	good	red brown
	A	SP
<u>ISP 7</u>	red	brown
	G	R
	good	orange
	A	SP
	none	none
	G	R
	good	red brown
	A	SP
	red	none

Spore chains: Sp

Spore surface: smooth

Sporangia:

Fragmentation:

Melanoid pigment: - - - -

NaCl resistance: 2,5 %

Lysozyme resistance: -

pH: Value- Optimum-

Temperature : Value- Optimum- 28 °C

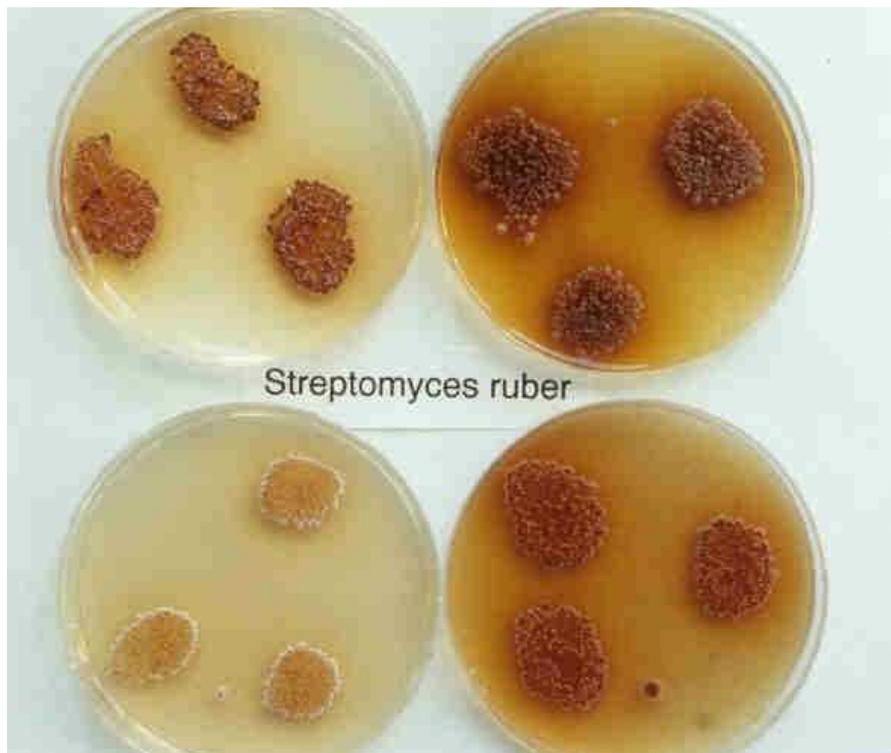
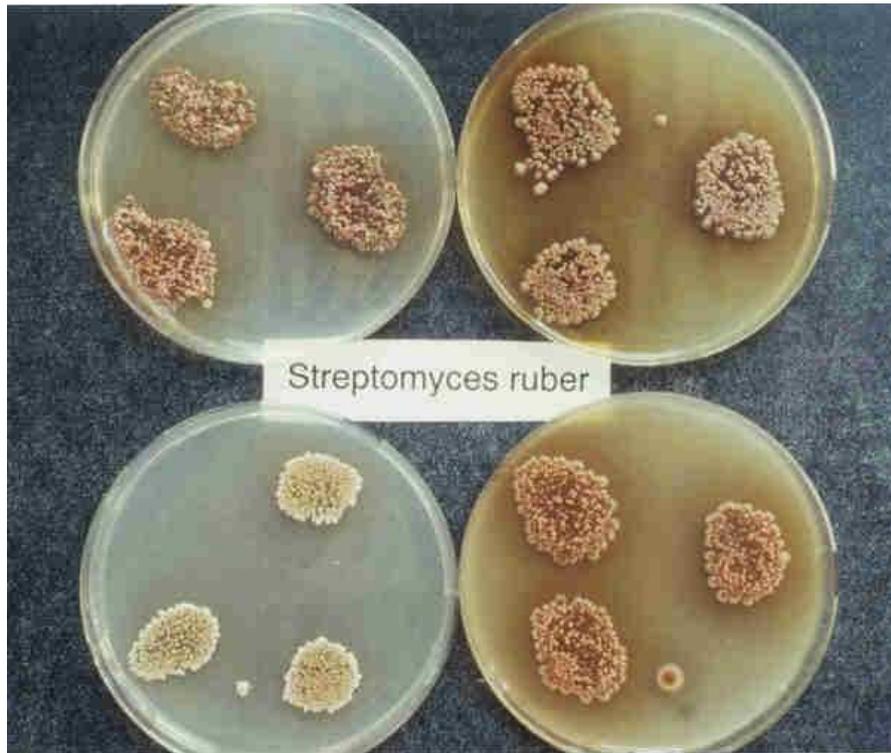
Carbon utilization:

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

Enzymes:

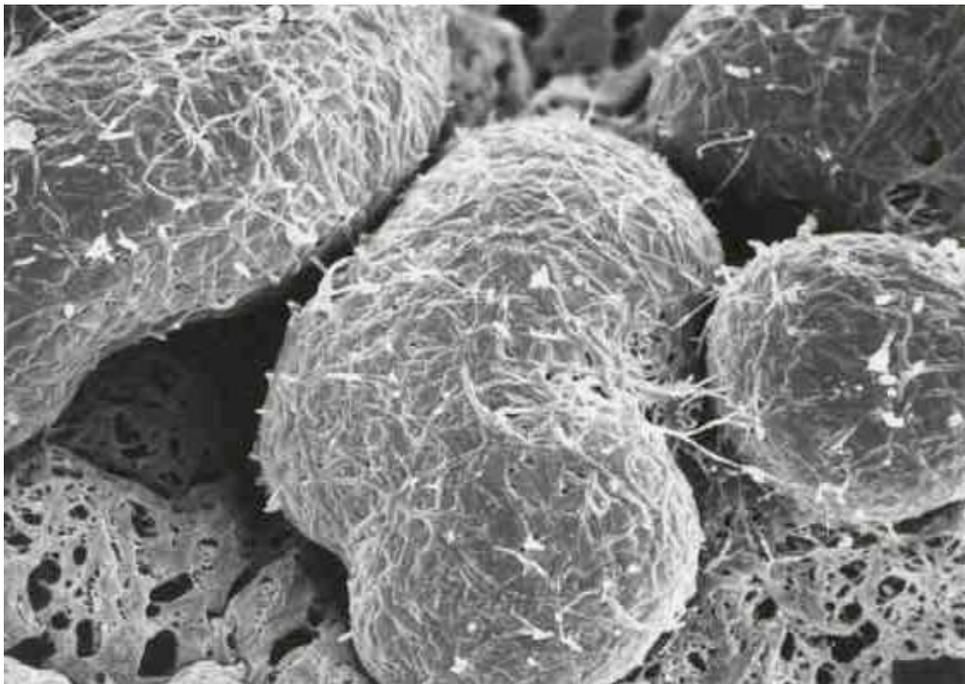
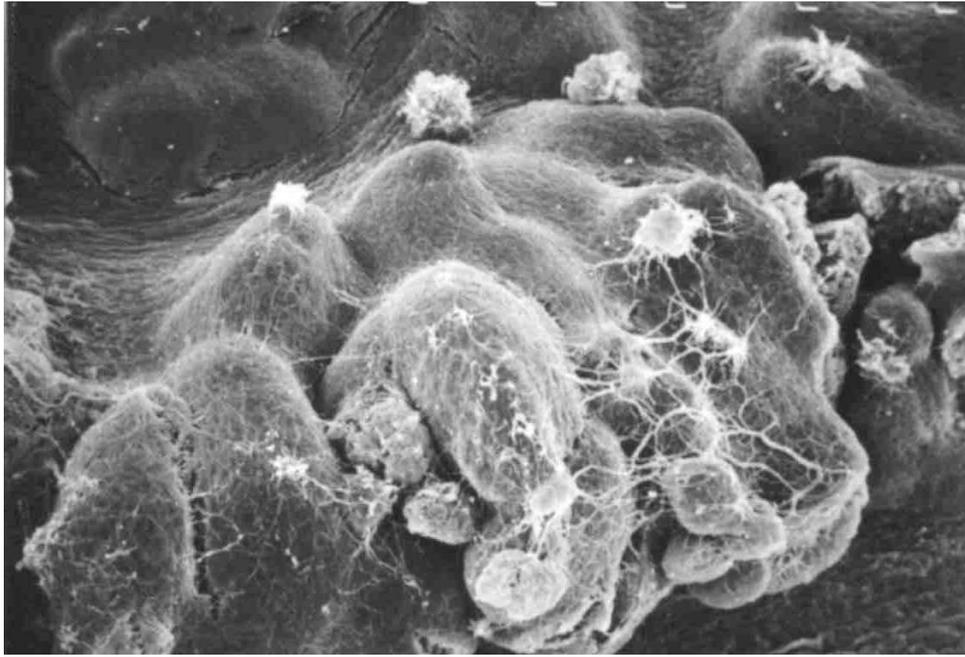
Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
+	-	-	-	-	+	-	-	+	-	-

Comments: Sclerotia are produced on some media



Streptomyces ruber

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



Streptomyces ruber
Sclerotia formation in SEM
C x 150 D x 500



Streptomyces ruber

E – Colony detail on medium 5265