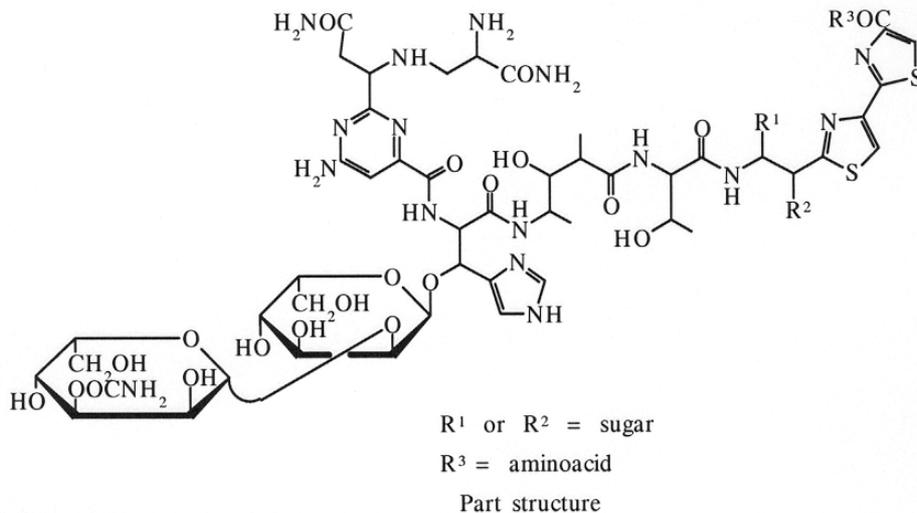


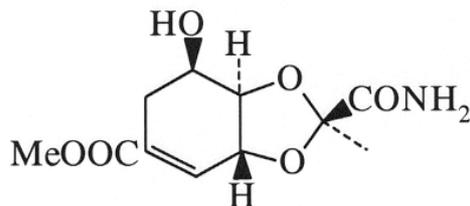
Name:	<i>Streptomyces filamentosus</i>
Authors:	Okami and Umezawa 1953
Status:	Approved Lists
Reference(s):	Int. J. Syst. Bacteriol. 30:381 (AL)
Risk group:	1 (German classification)
Type strain:	ATCC 19753, CBS 492.68, IFO 12767, IMET 43562, ISP 5022, RIA 1034, DSM 40022

Metabolites described from *Streptomyces filamentosus*

Antibiotic SF 1961 A, glycopeptide antibiotic, active against gram-positive and gram-negative bacteria



Dioxolamycin, shows moderate cytostatic activity against L-1210 cells



Genus: *Streptomyces*

FH 6355

Species: *filamentosus*

Numbers in other collections: DSM 40022

Morphology:

	G	R
<u>ISP 2</u>	good	brown beige
	A	SP
	sparse	none
	G	R
<u>ISP 3</u>	good	beige
	A	SP
	grey white	none
	G	R
<u>ISP 4</u>	good	beige
	A	SP
	Grey white	none
	G	R
<u>ISP 5</u>	good	silk grey
	A	SP
	sparse	none
	G	R
<u>ISP 6</u>	good	light ivory
	A	SP
	sparse	none
	G	R
<u>ISP 7</u>	good	light ivory
	A	SP
	sparse	none

Spore chains:

Spore surface:

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
+	+	+	+	+	-	+	+	+	-	-
2+	3+	4+	5+	6+	7+	8+	9+	10+	11+	
12+	13-	14+	15-	16+	17+	18-	19-	20-		

Comments:



Streptomyces filamentosus

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



Streptomyces filamentosus

C and D – Microplate with ISP- and melanin media

Name: ***Streptomyces roseosporus***

Authors: Falcao de Morais and Dalia Maia 1961

Status: Approved Lists, Heterotypic Synonym

Reference(s): Int. J. Syst. Bacteriol. 30:399 (AL)

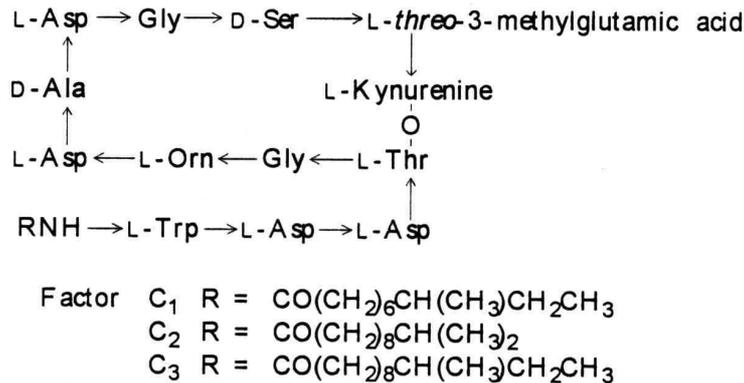
Risk group: 1 (German classification)

Type strain: ATCC 23958, CBS 941.68, IFO 12910, ISP 5122, RIA 1125, DSM 40122

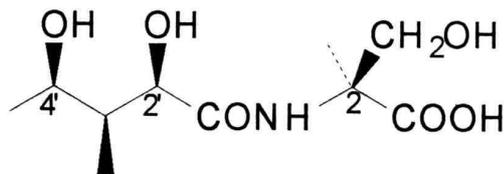
Synonym(s): ***Streptomyces filamentosus***

Secondary metabolites from *Streptomyces roseosporus*

Lipopeptide antibiotic complex, active against gram-positive bacteria and anaerobs



Conagenin, a serine derivate, immunomodulator



Genus: *Streptomyces*

FH 2422

Species: *roseosporus*

Numbers in other collections: NRRL 11379

Morphology:

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

Spore chains:

Spore surface:

Sporangia:

Fragmentation:

Melanoid pigment: - - - -

NaCl resistance: 5 %

Lysozyme resistance:

pH: Value-

Optimum-

Temperature : Value-

Optimum- 30°C

Carbon utilization:

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

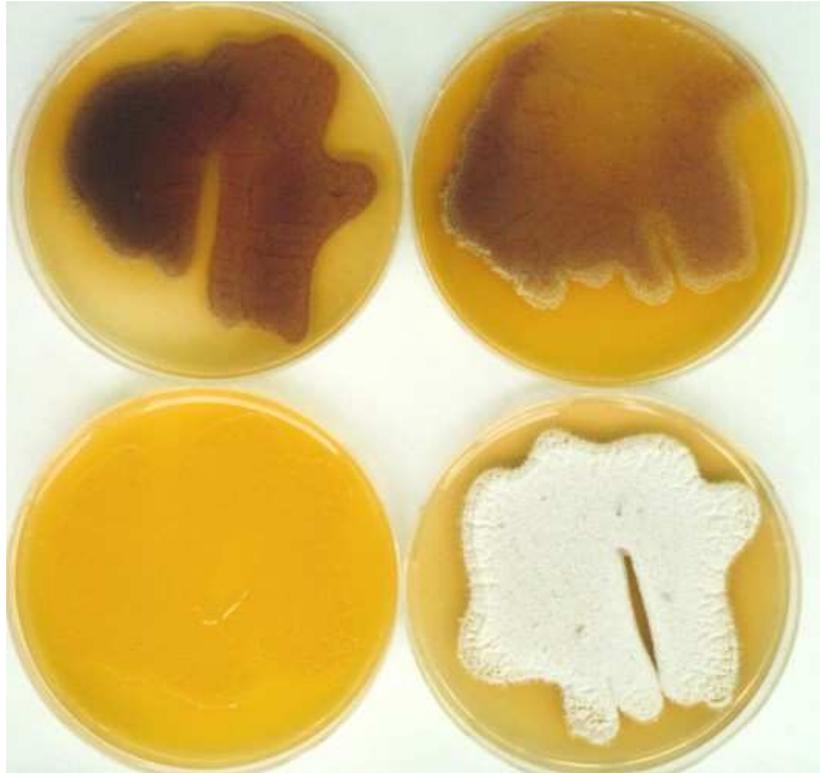
Enzymes:

Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
+	-	+	-	+	-	-	-	+	-	-
2+	3+	4+	5-	6+	7+	8+	9+	10+	11+	12+
13-	14+	15-	16+	17+	18+	19(+)	20(+)			



Streptomyces roseosporus

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



Streptomyces roseosporus

C and D – Agar plates medium 5323, 5318, 5322 and 5294