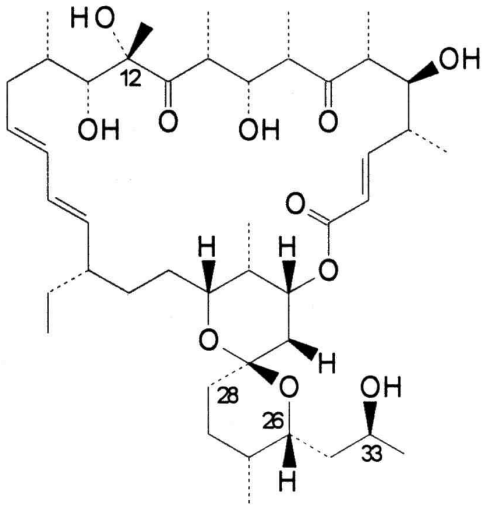
Name:	*Streptomyces rutgersensis* subsp. *castelarensis*
Authors:	Cercos 1954
Status:	Approved Lists
Reference(s):	Int. J. Syst. Bacteriol. 30:400 (AL)
Risk group:	1 (German classification)
Type strain:	ATCC 15191, CBS 309.55, DSM 40830

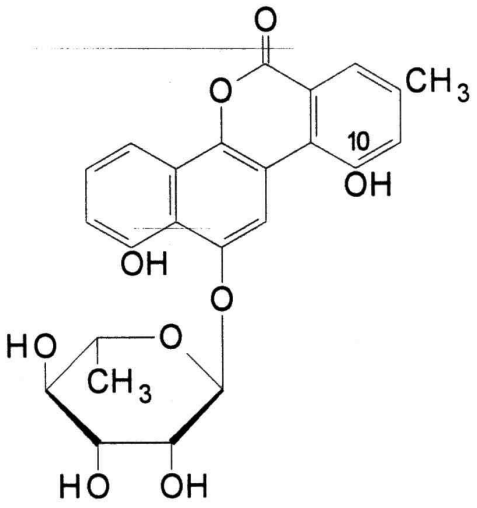
Name:	***Streptomyces rutgersensis* subsp. *rutgersensis***
Authors:	(Waksman and Curtis 1916) Waksman and Henrici 1948
Status:	Approved Lists
Reference(s):	Int. J. Syst. Bacteriol. 30:400 (AL)
Risk group:	1 (German classification)
Type strain:	ATCC 3350, CBS 562.68, IFO 12819, ISP 5077, RIA 1089, DSM 40077

Secondary metabolites from *Streptomyces rutgersensis*

Oligomycin D, a macrolide antibiotic, which inhibits the mitochondrial ATPase and shows antifungal activity.



Antibiotic BE 12406B, an antitumor compound.



Genus: ***Streptomyces*** **FH 2209**
Species: ***rutgersensis*** **Subsp.:** ***rutgersensis***
Numbers in other collections: DSM 40077

Morphology:

ISP 2	G good	R yellowish-brown
	A yellow	SP none
ISP 3	G good	R white
	A white	SP none
ISP 4	G good	R yellow
	A white	SP none
ISP 5	G good	R yellow
	A white	SP none
ISP 6	G	R
	A	SP
ISP 7	G	R
	A	SP

Spore chains: RF
Spore surface: smooth
Sporangia:
Fragmentation:

Melanoid pigment: -
NaCl resistance: growth up to 10%
Lysozyme resistance:
pH: Value- Optimum-
Temperature : Value- Optimum- 30℃

Carbon utilization:

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

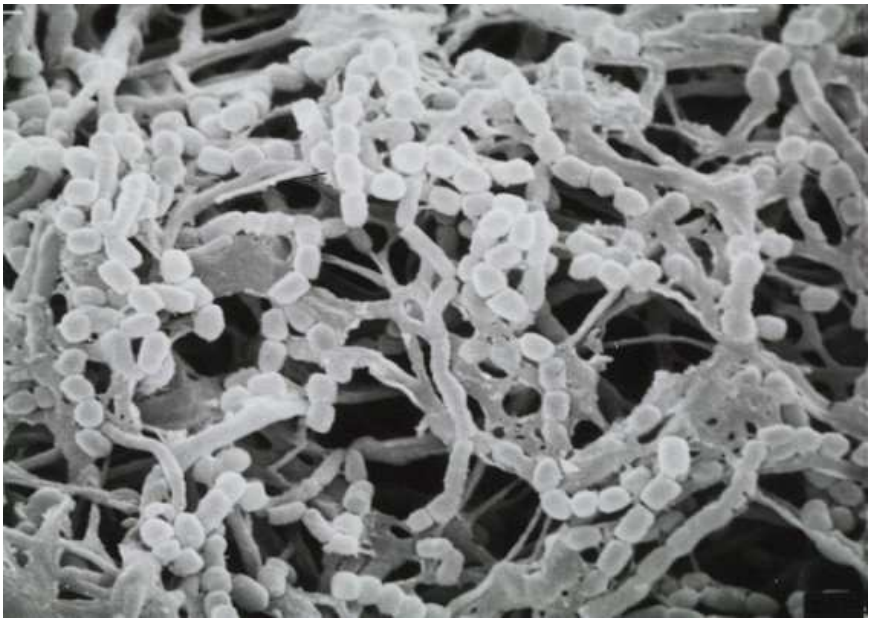
Enzymes:

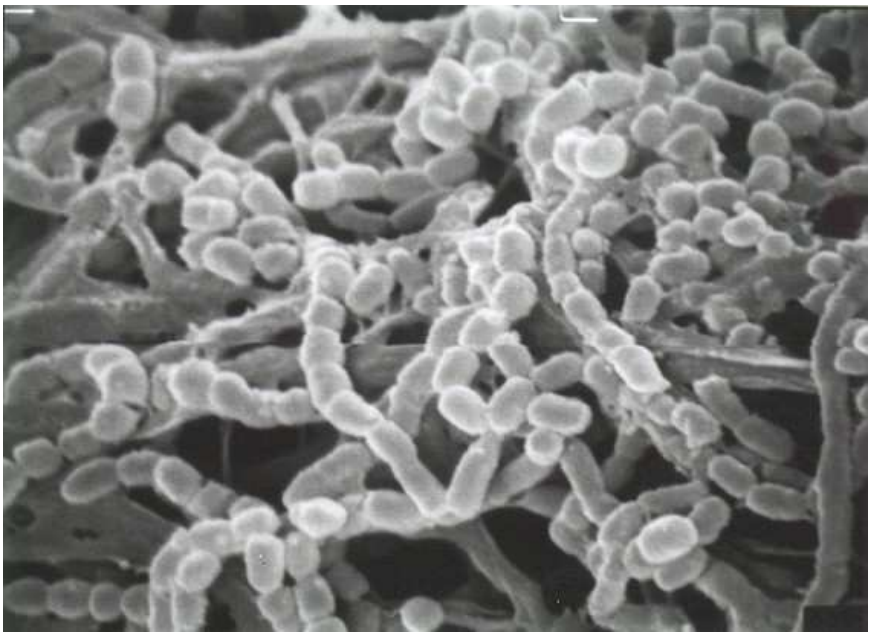
Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
+	+	-	-	+	-	+	-	+	-	-

Comments:

Streptomyces rutgersensis* subsp. *rutgersensis
A and B – Agar plates medium 5006, 5265 and 5315

Streptomyces rutgersensis* subsp. *rutgersensis
C and D – Microplate with ISP- and melanin media





Streptomyces rutgersensis* subsp. *rutgersensis
Spore chain morphology and spore surface in SEM