Name:	*Kutzneria viridogrisea*
Authors:	(Okuda et al. 1966) Stackebrandt et al. 1994
Status:	New Combination
Literature:	Int. J. Syst. Bacteriol. 44:268
Risk group:	1 (German classification)
Type strain:	ATCC 25242, DSM 43850
Synonyms:	Streptosporangium viridogriseum subsp. viridogriseum (basonym)

Lit. Stackebrandt E., R. M. Kroppenstedt, K.-D. Jahnke, C. Kemmerling and H. Gürtler. 1994.
Transfer of *Streptosporangium viridogriseum* (Okuda et al. 1966), *Streptosporangium viridogriseum* subsp. *kofuense* (Nonmura and Ohara 1969), and *Streptosporangium albidum* (Furumaj et al. 1968) to *Kutzneria* gen. nov., as *Kutzneria viridogrisea* comb. nov., *Kutzneria kofuensis* comb. nov. and *Kutzneria albida* comb. nov., respectively, and emendation of the genus *Streptosporangium*.
Int. J. Syst. Bacteriol. 44: 265-269

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Kutzneria viridogrisea (Okuda et al. 1966) Stackebrandt et al. 1994

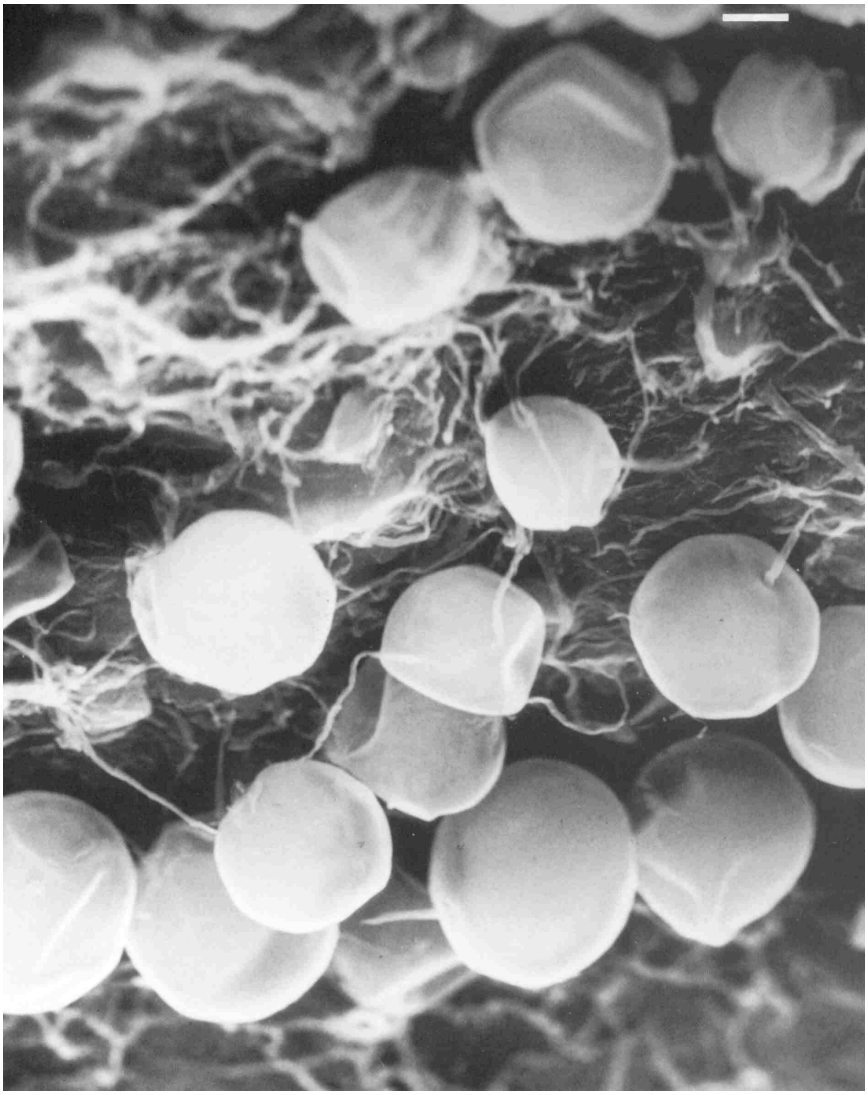

Photo by S. Amano, C. Moriyama & T. Shomura in the Atlas of Actinomycetes 1997 (The Society of Actinomycetes, Japan).

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Fatty acid pattern:

15 : 0	Iso	4,5
15 : 0	Anteiso	1,0
15 : 0		1,0
16 : 0	Iso	28,0
16 : 0	Anteiso	1,0
16 : 1	Cis 9	6,0
16 : 0		6,9
16 : 0	10 methyl	6,0
17 : 0	Iso	8,0
17 : 0	Anteiso	19,0
17 : 1	Cis 9	1,5
16 : 0	Iso 2 OH	4,5
17 : 0		1,5
17 : 0	10 methyl	1,5
18 : 0	Iso	1,0
18 : 1	Cis 9	1,5
18 : 0		6,0

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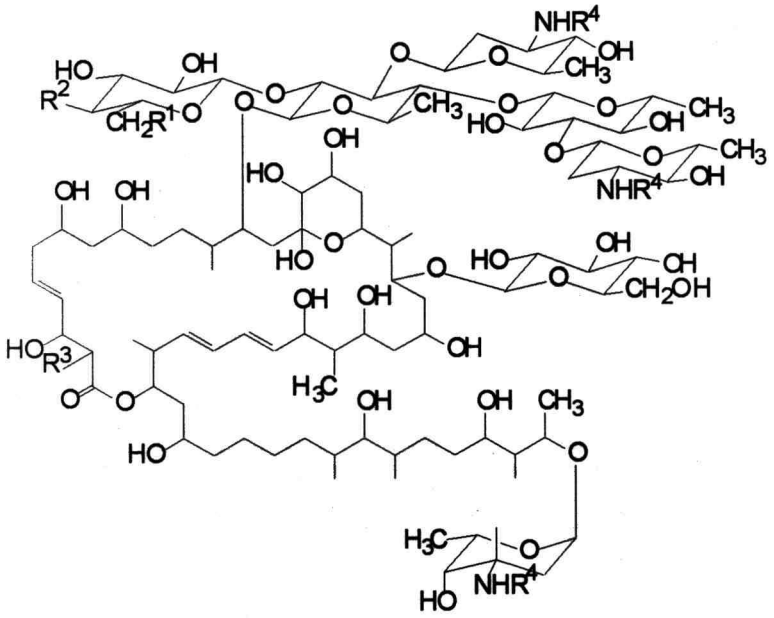
Sporaviridin, aminoglycosid antibiotic complex, active against gram-positive bacteria and trichophyton.



SVD-A_1	R^1= H	R^2= OH	R^3= C_2H_5	R^4= H
SVD-A_2	R^1= H	R^2= OH	R^3= CH_3	R^4= H
SVD-B_1	R^1= H	R^2= NH_2	R^3= C_2H_5	R^4= H
SVD-B_2	R^1= H	R^2= NH_2	R^3= CH_3	R^4= H
SVD-C_1	R^1= OH	R^2= OH	R^3= C_2H_5	R^4= H
SVD-C_2	R^1= OH	R^2= OH	R^3= CH_3	R^4= H

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Genus: Kutzneria **FH 2400**
Species: viridogrisea
Numbers in other collections: DSM 43850

Morphology:

	G	R
ISP 2	good	beige
	A	SP
	white	none
	G	R
ISP 3	good	beige
	A	SP
	none	none
	G	R
ISP 4	good	beige
	A	SP
	none	none
	G	R
ISP 5	good	beige
	A	SP
	white	none
	G	R
ISP 6	good	colorless
	A	SP
	none	none
	G	R
ISP 7	good	beige
	A	SP
	white	none

Spore chains: Spore surface: smooth
Sporangia: + Fragmentation:

Melanoid pigment: - - - -
NaCl resistance: 2,5 %
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
+	-	+	+	-	-	+	+	+	-	-

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

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Kutzneria viridogrisea
A – Agar plates medium 5006, 5265, 5315, 5317
B – Agar plates medium5318, 5322, 5337 with and without tyrosine

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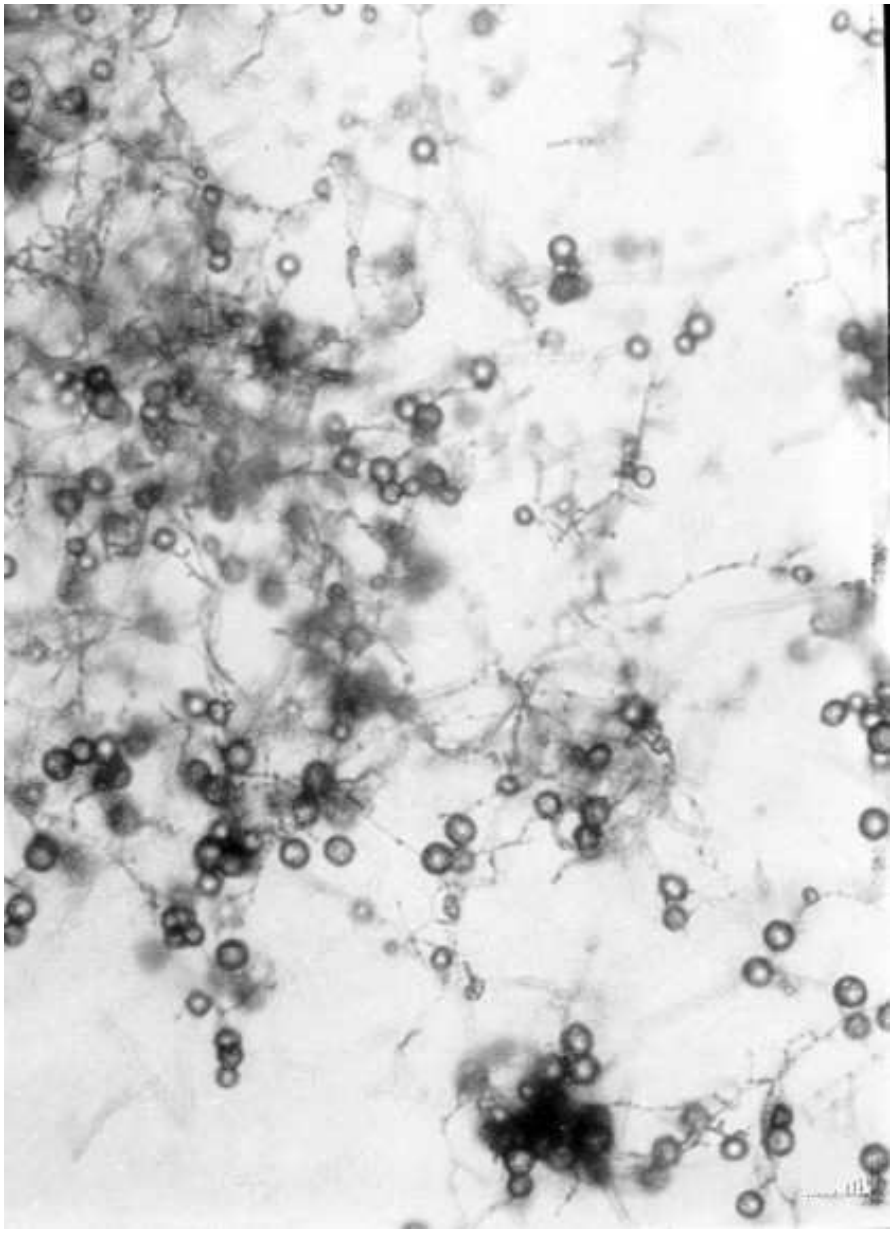

Kutzneria viridogrisea
Sporangia in light microscopy (x 250)

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