Name: ***Micromonospora rosaria***

Authors: Horan and Brodsky 1986

Status: New Species

Literature: Int. J. Syst. Bacteriol. 36:478

Risk group: 1 (German classification)

Type strain: 67694, ATCC 29337, DSM 803, NRRL 3718, SCC 957

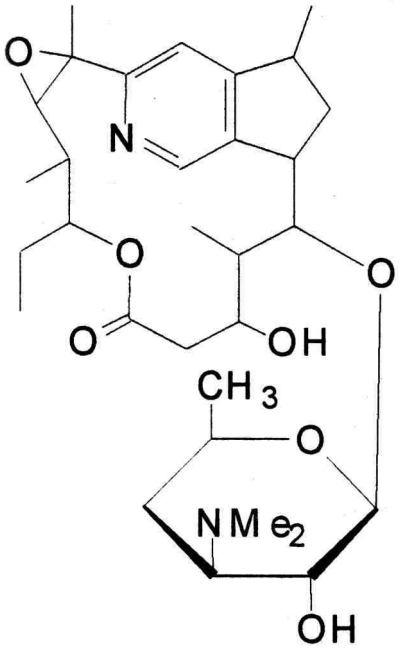
Author(s)	Horan, A. C., Brodsky, B. C.
Title	*Micromonospora rosaria* sp. nov., nom. rev., the rosaramicin producer.
Journal	Int. J. Syst. Bacteriol.
Volume	36
Page(s)	478-480
Year	1986

Fatty acid pattern:

14 : 0	Iso	2,0			
15 : 0	Iso	8,0	18 : 1	Iso	2,0
15 : 0	Anteiso	3,0	18 : 1	cis 9	16,0
15 : 0		2,0	18 : 0		12,0
16 : 0	Iso	28,0	19 : 0		2,0
16 : 0		6,0			
17 : 0	Iso	6,0			
17 : 0	Anteiso	7,0			
17 : 1	cis 9	6,0			
17 : 0		5,0			

Secondary metabolites from *Micromonospora rosaria*

Sch 23831, ansamicin antibiotic, shows weak activity against gram-positive bacteria



Genus: ***Micromonospora*** **FH 2665**
Species: ***rosaria***
Numbers in other collections: IFO 13697

Morphology:

	G	R
ISP 2	good	pastel orange
	A	SP
	none	none
	G	R
ISP 3	good	pastel orange
	A	SP
	none	none
	G	R
ISP 4	good	pastel orange
	A	SP
	none	none
	G	R
ISP 5	good	pastel orange
	A	SP
	none	none
	G	R
ISP 6	good	pastel orange
	A	SP
	none	none
	G	R
ISP 7	good	pastel orange
	A	SP
	none	none

Spore chains: Spore surface: smooth
Sporangia: Fragmentation: -

Melanoid pigment: - - - -
NaCl resistance: 2,5 %
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	H_2S
+	+	+	-	-	-	-	-	+	-	-

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

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

Micromonospora rosaria
C and D – Agar plates medium 5006, 5318, 5322, 5337 with and without tyrosine