

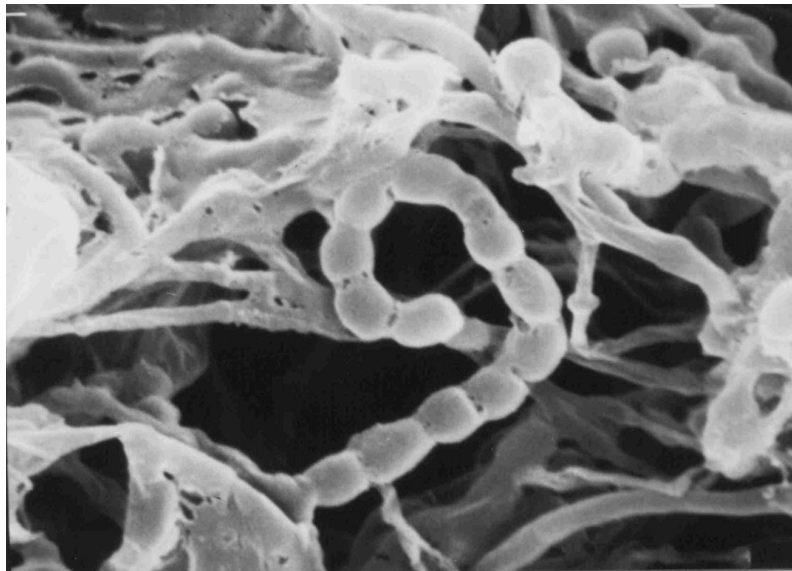
Name: ***Nonomuraea spiralis***
Authors: (Meyer 1981) Zhang et al. 1998
Status: New Combination, Corrected Name
Literature: Int. J. Syst. Bacteriol. 48:420
Risk group: 1 (German classification)
Comment: nom. corrig.: IJSB 49:1623*; *Nonomuria spiralis* (sic)
Type strain: ATCC 35114, DSM 43555, IMET 9621
Synonyms: *Actinomadura spiralis* (basonym),
Microtetraspora spiralis (basonym)

Author(s) Meyer, J.
Title New species of the genus *Actinomadura*.
Journal Z. Allg. Mikrobiol.
Volume 19
Page(s) 37-44
Year 1979

Author(s) Zhang, Z., Wang, Y., Ruan, J.
Title Reclassification of *Thermomonospora* and *Microtetraspora*.
Journal Int. J. Syst. Bacteriol.
Volume 48
Page(s) 411-422
Year 1998

Fatty acid pattern:

14 : 0 Iso	5,0	16 : 0 Iso 2OH	2,0
14 : 0	4,0	17 : 0	4,0
15 : 0 Iso	6,0	17 : 0 10methyl	5,0
15 : 0 Anteiso	4,0	18 : 1 cis 9	3,0
15 : 0	4,0	18 : 0	4,0
16 : 0 Iso	22,0		
16 : 1 cis 9	4,0		
16 : 0	22,0		
16 : 0 10methyl	7,0		
17 : 0 Iso	2,0		
17 : 1 cis 9	3,0		

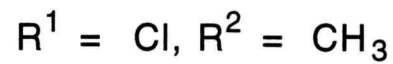
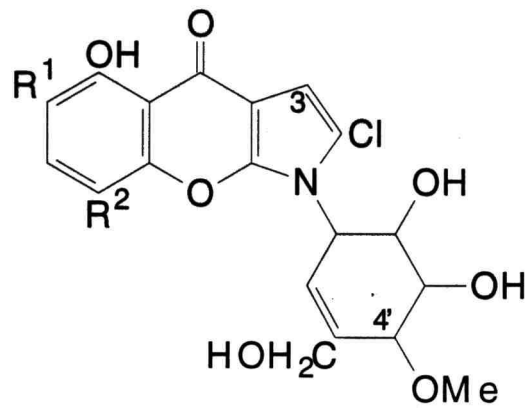
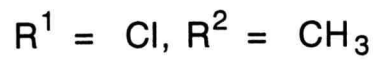
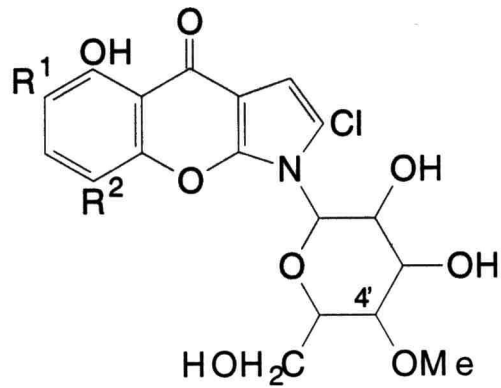


Nonomuraea spiralis

Spore chain and spore surface in SEM (x 10.000)

Secondary metabolites from *Nonomuraea spiralis*

Pyralomicine 1 and 2, antibacterial agents



Genus: *Nonomuria*

FH 2117

Species: *spiralis*

Numbers in other collections: IMET 9621

Former Actinomadura spiralis

Morphology:

<u>ISP 2</u>	G	R
	good	beige
	A	SP
<u>ISP 3</u>	white	none
	G	R
	good	white
<u>ISP 4</u>	A	SP
	white	none
	G	R
<u>ISP 5</u>	good	white
	A	SP
	white	none
<u>ISP 6</u>	G	R
	good	orange
	A	SP
<u>ISP 7</u>	none	none
	G	R
	good	yellow
	A	SP
	white	none

Spore chains: Sp

Spore surface: smooth

Sporangia:

Fragmentation:

Melanoid pigment: - - - -

NaCl resistance: 2,5 %

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



Nonomuraea spiralis

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



Nonomuraea spiralis

C and D – Agar plates medium 5318, 5337 with and without tyrosine