

Name: *Pseudonocardia compacta*
Authors: Henssen et al. 1983
Status: New Species
Literature: Int. J. Syst. Bacteriol. 33:834
Risk group: 1 (German classification)
Type strain: ATCC 35407, CBS 160.82, DSM 43592,
MB H-146

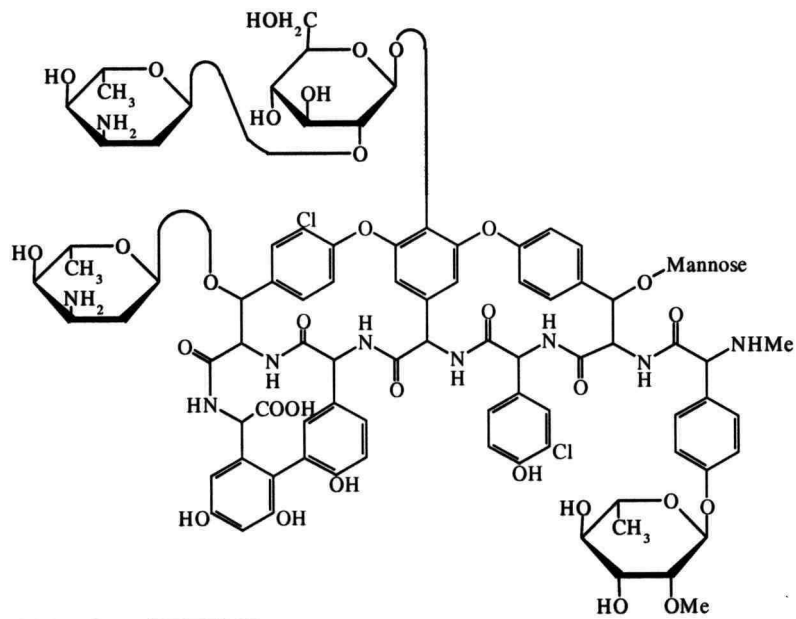
Author(s) Henssen, A., Happachkasan, C., Renner, B., Vobis, G.
Title *Pseudonocardia compacta* sp. nov.
Journal Int. J. Syst. Bacteriol.
Volume 33
Page(s) 829-836
Year 1983

Fatty acid pattern:

12 : 0 Iso	2,0
14 : 0 Iso	20,0
15 : 0 Iso	5,0
15 : 1 B	2,0
15 : 0	1,0
16 : 1 Iso H	16,5
16 : 0 Iso	46,0
16 : 1 cis 9	2,0
16 : 0	1,0
18 : 0	1,0

Metabolite described in literature

Helvecaridin, glycopeptide antibiotic, active against gram-positive bacteria, produced by *Pseudonocardia compacta* ssp. *helvetica*.



Genus: *Pseudonocardia*

FH 2383

Species: *compacta*

Numbers in other collections: DSM 43592

Morphology:

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

Spore chains:

Spore surface: smooth

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:

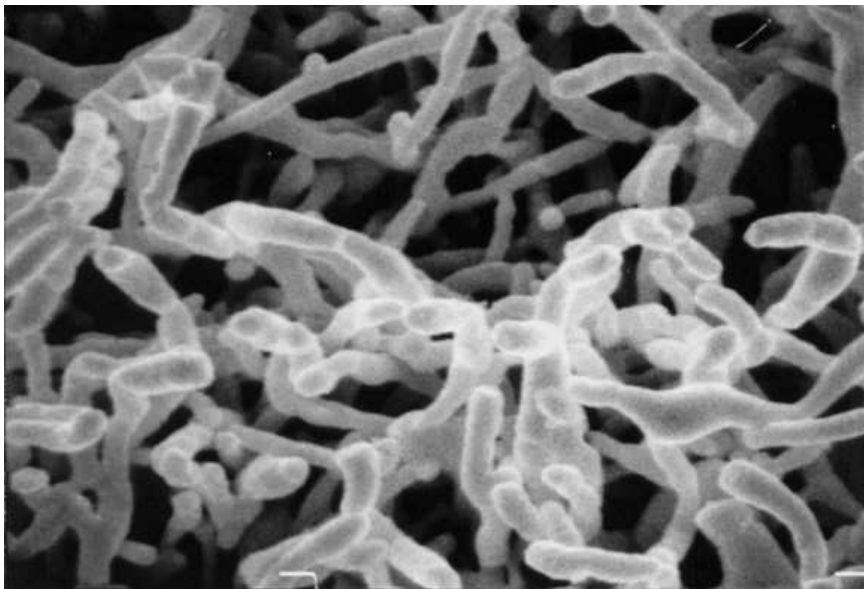
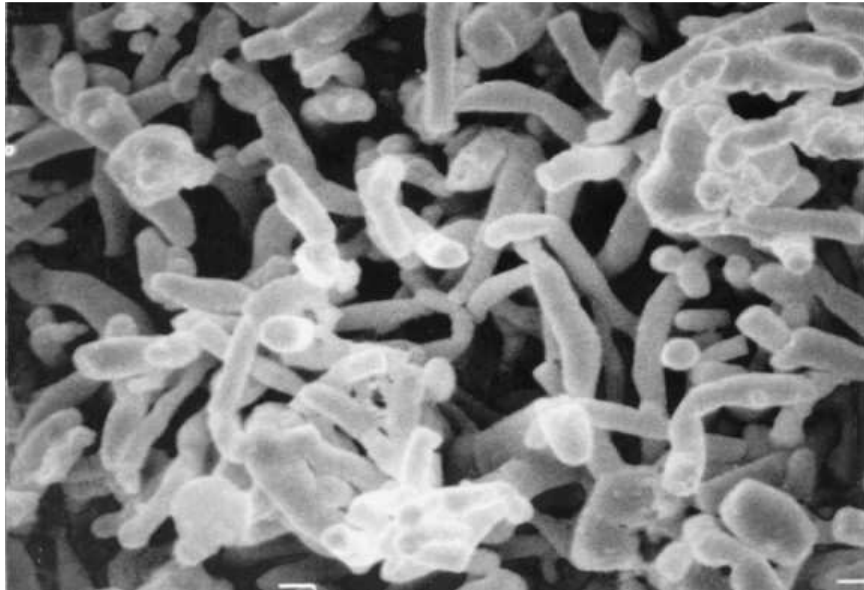
Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
-	-	-	-	-	-	-	-	+	-	-
2+	3-	4+	5-	6+	7+	8-	9+	10-	11+	12+
13-	14-	15-	16+	17-	18-	19-	20-			



Pseudonocardia compacta

A – Agar plates medium 5265, 5315 and 5323

B – Agar plates medium 5318, 5337 with and without tyrosine



Pseudonocardia compacta

Budding and fragmenting aerial mycelium (SEM x 7.500)