

Name: *Amycolatopsis lurida*

Authors: (Grundy et al. 1957) Lechevalier et al. 1986
Stackebrandt et al. 2004

Status: New Species

Literature: Int. J. Syst. Bacteriol.

Risk group: 1 (German classification)

Comment: basonym "*Nocardia lurida*"
synonym *Amycolatopsis orientalis* subsp. *lurida*

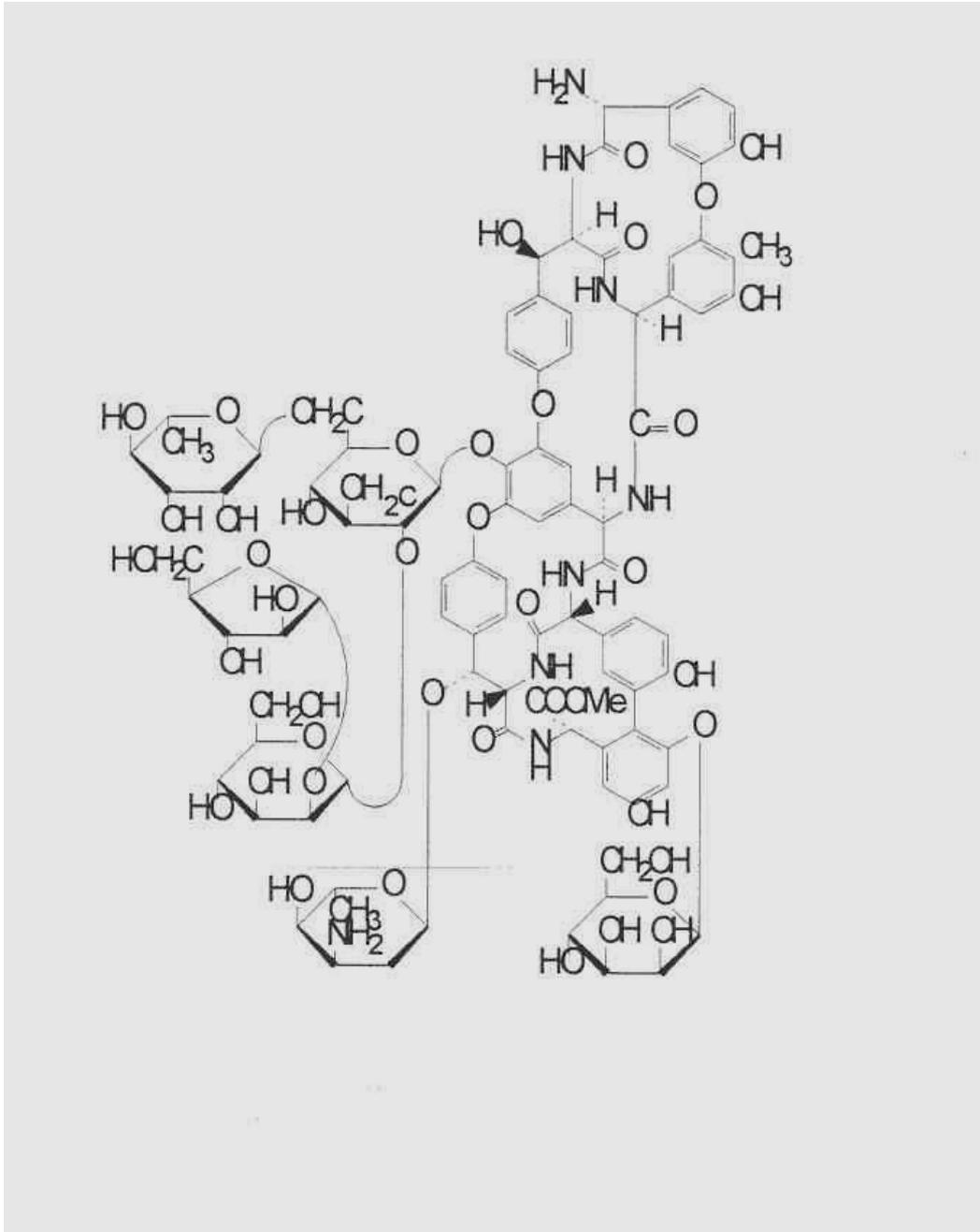
Type strain: DSM 43134, IMET 7654, NRRL 2430

Author(s) Lechevalier, M. P., Prauser, H., Labeda, D. P., Ruan, J.-S.
Title Two new genera of nocardioform actinomycetes; *Amycolata*
gen. nov. and *Amycolatopsis* gen. nov.
Journal Int. J. Syst. Bacteriol.
Volume 36
Page(s) 29-37
Year 1986

Author(s) Stackebrandt, E., Kroppenstedt, R. M., Wink, J.,
Schumann, P.
Title Reclassification of *Amycolatopsis orientalis* subsp. *lurida*
Lechevalier et al. 1986 as *Amycolatopsis lurida* sp. nov.,
comb. nov.
Journal Int. J. Syst. Evol. Microbiol.
Volume 54
Page(s) 267-268
Year 2004

Metabolite described in literature

Ristocetin, a glycopeptide antibiotic which is active against gram positive bacteria and mycobacteria.



Genus: *Amycolatopsis*

FH 1554

Species: *lurida*

Numbers in other collections: ATCC 14990

Morphology:

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

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-			

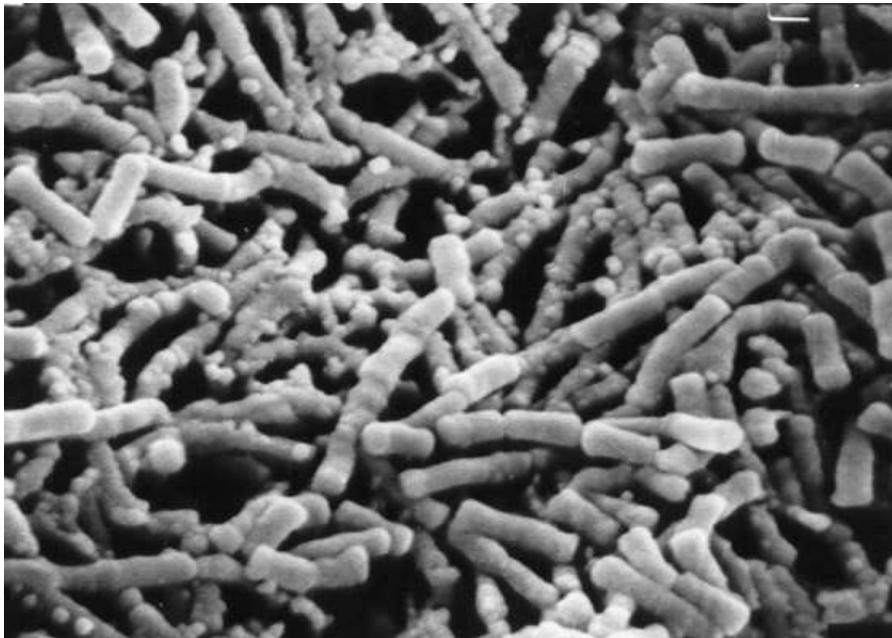
Comments:



Amycolatopsis lurida

A – Agar plates medium 5006, 5265, 5315 and 5317

B- Agar plates medium 5429, 5323, 5318, 5322, 5337 with and without tyrosine



Amycolatopsis lurida

Fragmentation of aerial mycelium (SEM)
C and D x 7.500