

- Name: *Pseudonocardia saturnea*
- Authors: (Hirsch 1960) Warwick et al. 1994
- Status: New Combination
- Literature: Int. J. Syst. Bacteriol. 44:298
- Risk group: 1 (German classification)
- Type strain: ATCC 15809, DSM 43195, IMET 7647, IMRU 1181, NCIB 9437, NRRL B-16172
- Synonyms: *Nocardia saturnea* (basonym),
Amycolata saturnea (basonym)
- 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) Warwick, S., Bowen, T., McVeigh, H., Embley, T. M.
Title A phylogenetic analysis of the family *Pseudonocardiaceae* and the genera *Actinokineospora* and *Saccharothrix* with 16S rRNA sequences and a proposal to combine the genera *Amycolata* and *Pseudonocardia* in an emended genus *Pseudonocardia*.
Journal Int. J. Syst. Bacteriol.
Volume 44
Page(s) 293-299
Year 1994

Genus: *Pseudonocardia* **FH 2676**
Species: *saturnea*
Numbers in other collections: **DSM 43195**

Morphology:

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

Spore chains:

Spore surface: smooth

Sporangia:

Fragmentation: +

Melanoid pigment: - - - -

NaCl resistance: 0 %

Lysozyme resistance:

pH: Value-

Optimum-

Temperature : Value-

Optimum- 28°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 saturnea

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



Pseudonocardia saturnea

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

D – Aerial mycelium with fragmentation in SEM (x 10.000)