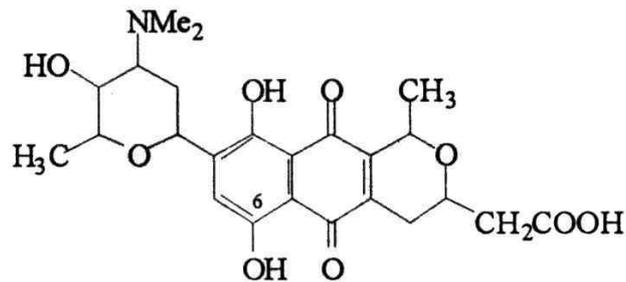


Name:	<i>Streptomyces thioluteus</i>
Authors:	(Okami 1952) Witt and Stackebrandt 1991
Status:	New Combination
Reference(s):	Int. J. Syst. Bacteriol. 41:457 (validation list)
Risk group:	1 (German classification)
Type strain:	ATCC 12310, CBS 642.72, DSM 40027
Other names:	<i>Streptovercillium thioluteum</i> (basonym)

Secondary metabolites from *Streptomyces thioluteus*
Mederrhodin B, quinone antibiotic, active against gram-positive bacteria



Genus: *Streptomyces*

FH 2487

Species: *thioluteus*

Numbers in other collections: IFO 13341

Former *Streptovercillium thioluteum*

Morphology:

	G	R
<u>ISP 2</u>	good	olive green
	A	SP
	none	yellow green
	G	R
<u>ISP 3</u>	good	colourless
	A	SP
	sparse	none
	G	R
<u>ISP 4</u>	good	yellow
	A	SP
	sparse	yellow
	G	R
<u>ISP 5</u>	good	yellow
	A	SP
	none	yellow brown
	G	R
<u>ISP 6</u>	good	olive green
	A	SP
	none	none
	G	R
<u>ISP 7</u>	good	brown
	A	SP
	none	green brown

Spore chains: none

Spore surface:

Sporangia:

Fragmentation:

Melanoid pigment: - (+) + +

NaCl resistance: 2,5 %

Lysozyme resistance: 1 %

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
+ + + + + - + + + - -

Comments:



Streptomyces thioluteus

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



Streptomyces thioluteus

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