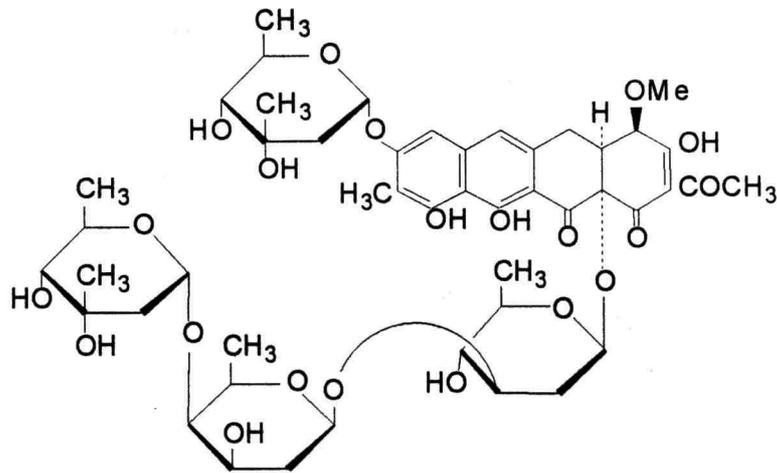


Name:	<i>Streptomyces atroolivaceus</i>
Authors:	(Preobrazhenskaya et al. 1957) Pridham et al. 1958
Status:	Approved Lists
Reference(s):	Int. J. Syst. Bacteriol. 30:372 (AL)
Risk group:	1 (German classification)
Type strain:	ATCC 19725, CBS 464.68, IFO 12741, IMET 43088, ISP 5137, RIA 1006, DSM 40137

Secondary metabolites from *Streptomyces atroolivaceus*

Chromocyclomycin, shows antitumor activity



Genus: *Streptomyces*

FH 2305

Species: *atroolivaceus*

Numbers in other collections: ATCC 19725

Morphology:

	G	R
<u>ISP 2</u>	good	colourless
	A	SP
	white	none
	G	R
<u>ISP 3</u>	good	yellow
	A	SP
	gray	none
	G	R
<u>ISP 4</u>	good	colourless
	A	SP
	gray	none
	G	R
<u>ISP 5</u>	good	colourless
	A	SP
	light gray	none
	G	R
<u>ISP 6</u>	good	colourless
	A	SP
	white	none
	G	R
<u>ISP 7</u>	good	colourless
	A	SP
	white/sparse	none

Spore chains: Rf

Spore surface: smooth

Sporangia:

Fragmentation:

Melanoid pigment: - - - - red brown pigment on suter agar

NaCl resistance:

Lysozyme resistance:

pH: Value- Optimum-

Temperature : Value- Optimum- 28 °C

Carbon utilization:

Glu	Ara	Suc	Xyl	Ino	Man	Fru	Rha	Raf	Cel
+	(+)	-	-	-	-	-	+	-	-

Enzymes:

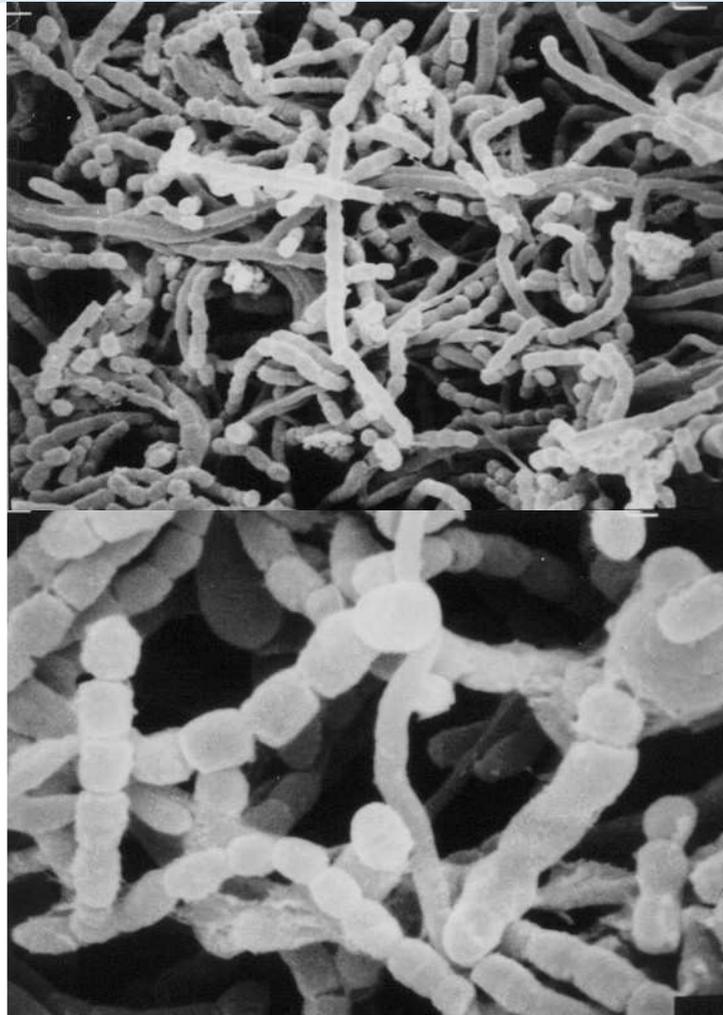
Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
+	+	+	+	+	+	+	+	+	-	-

Comments



Streptomyces atroolivaceus

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



Streptomyces atroolivaceus

C – Agar plates 5006, 5318, 5322, 5337 with and without tyrosine
Spore chain morphology (Rf) and smooth spore surface in SEM
(D x 3.500 E x 10.000)