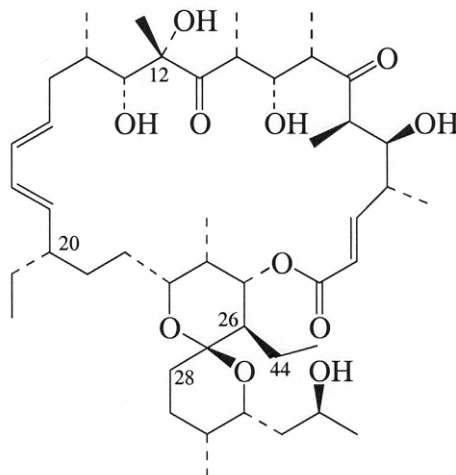


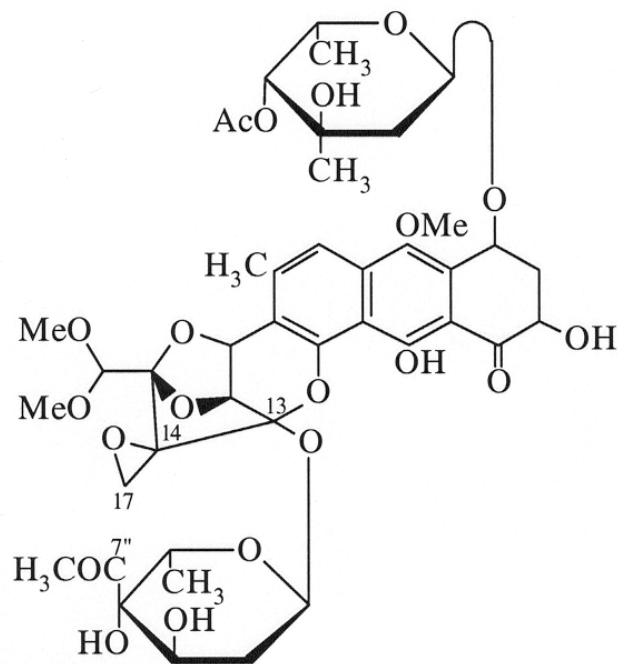
Name:	<i>Streptomyces bottropensis</i>
Authors:	Waksman 1961
Status:	Approved Lists
Reference(s):	Int. J. Syst. Bacteriol. 30:374 (AL)
Risk group:	1 (German classification)
Type strain:	ATCC 25435, ISP 5262, DSM 40262

Secondary metabolites from *Streptomyces bottropensis*

Homologomycin A, a macrolide antibiotic with antitumor and antifungal activity



Trioxacarcin A, active against gram-positive and –negative bacteria and tumors



Genus: *Streptomyces*

FH 6329

Species: *bottropensis*

Numbers in other collections: **DSM 40262**

Morphology:

<u>ISP 2</u>	G	R
	good	red brown
	A	SP
<u>ISP 3</u>	cream	brown beige
	G	R
	good	red brown
<u>ISP 4</u>	A	SP
	light grey	none
	G	R
<u>ISP 5</u>	good	red brown
	A	SP
	cream	none
<u>ISP 6</u>	G	R
	good	beige
	A	SP
<u>ISP 7</u>	none	none
	G	R
	good	brown beige
<u>ISP 7</u>	A	SP
	none	brown beige
	G	R

Spore chains:

Spore surface:

Sporangia: -

Fragmentation: -

Melanoid pigment: (+) (+) + -

NaCl resistance: %

Lysozyme resistance:

pH: Value-

Optimum-

Temperature : Value-

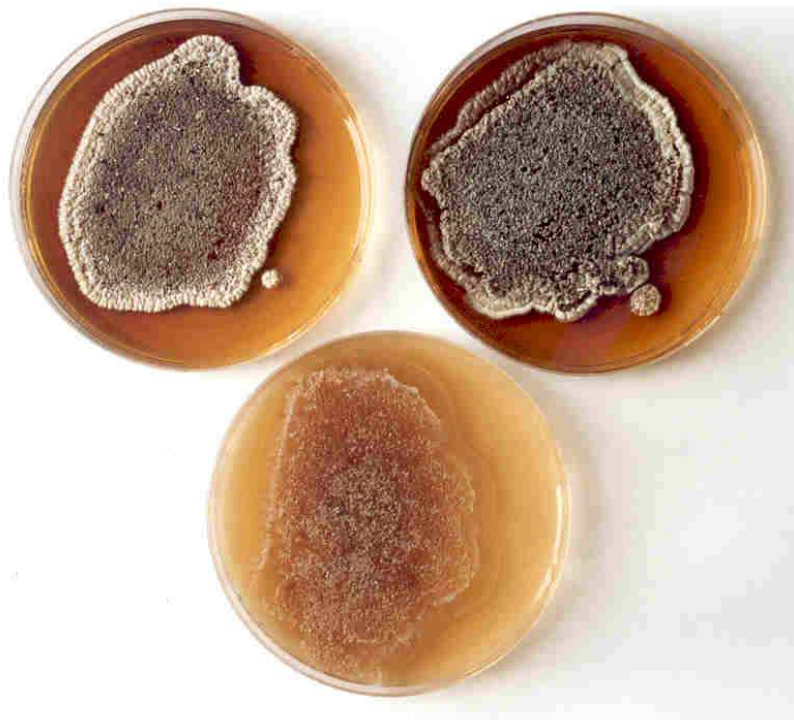
Optimum- 28 °C

Carbon utilization:

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

Enzymes:

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



Streptomyces bottropensis

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



Streptomyces bottropensis

C and D – Microplate with ISP- and melanin media