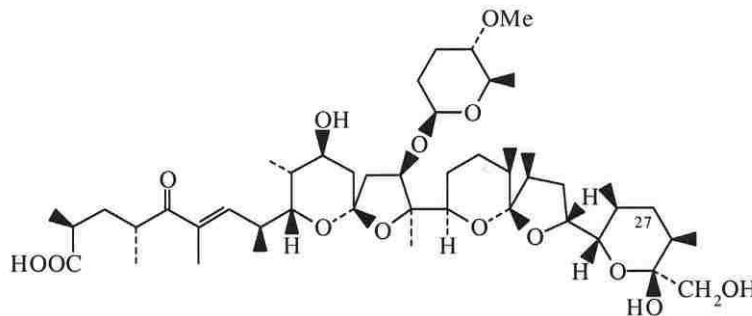


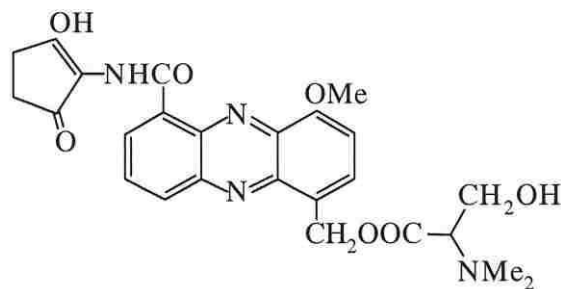
Name:	<i>Streptomyces endus</i>
Authors:	Anderson and Gottlieb 1952
Status:	Approved Lists
Reference(s):	Int. J. Syst. Bacteriol. 30:380 (AL)
Risk group:	1 (German classification)
Type strain:	IMET 42064, NRRL 2339, DSM 40187

Metabolites described from *Streptomyces endus*

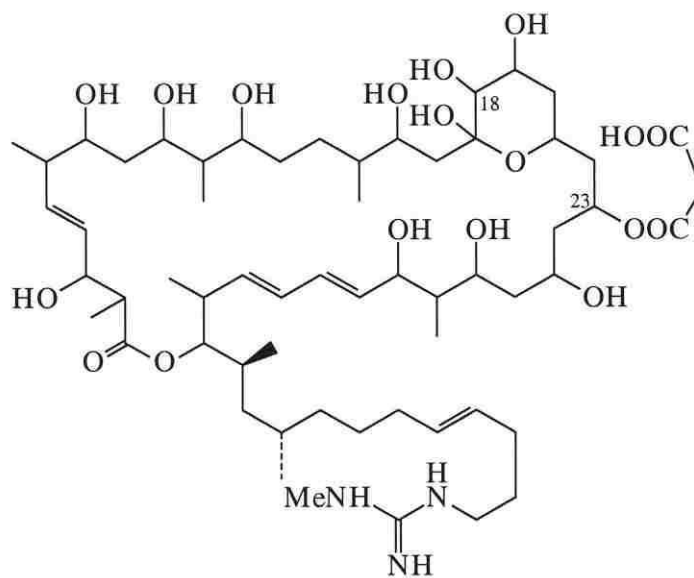
Endusamycin, polyether antibiotic, anticoccidial and growth promotor



Senacarcin A, phenazine antibiotic, active against gram-positive bacteria and tumors weakly active against gram-negative organisms



Niphimycin, polyene type antibiotic complex, active against fungi and gram-positive bacteria



Genus: *Streptomyces*

FH 6352

Species: *endus*

Numbers in other collections: **DSM 40187**

Morphology:

	G	R
<u>ISP 2</u>	good	brown beige
	A	SP
	platinum grey	none
	G	R
<u>ISP 3</u>	good	ivory
	A	SP
	basalt grey	lemon yellow
	G	R
<u>ISP 4</u>	good	beige
	A	SP
	basalt grey	none
	G	R
<u>ISP 5</u>	good	light ivory
	A	SP
	sparse	none
	G	R
<u>ISP 6</u>	good	sand yellow
	A	SP
	sparse	none
	G	R
<u>ISP 7</u>	good	sand yellow
	A	SP
	sparse	none

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-		

Comments:



Streptomyces endus

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



Streptomyces endus

C and D – Microplate with ISP- and melanin media