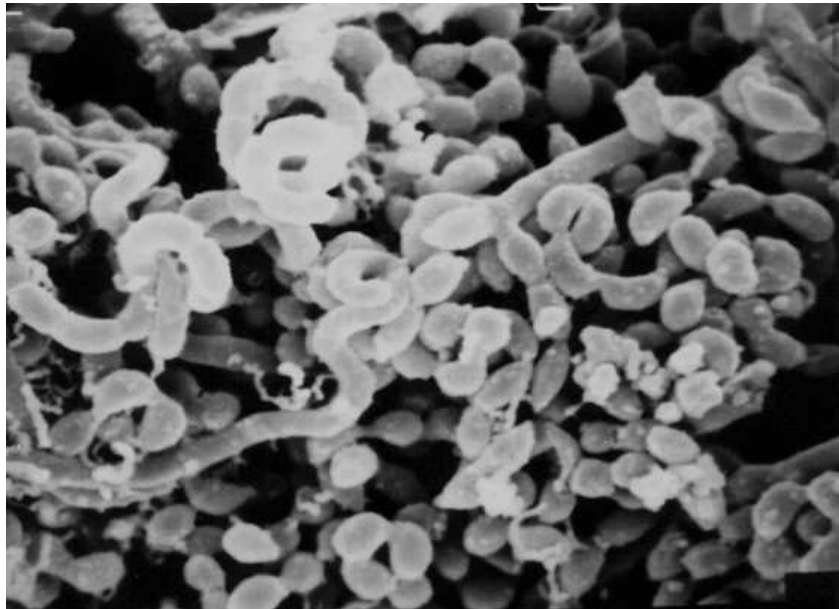


Name:	<i>Streptomyces lydicus</i>
Authors:	De Boer et al. 1956
Status:	Approved Lists
Reference(s):	Int. J. Syst. Bacteriol. 30:392 (AL)
Risk group:	1 (German classification)
Type strain:	IMET 43531, NRRL 2433, DSM 40461

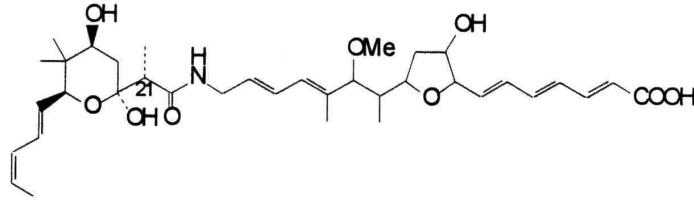


Streptomyces lydicus

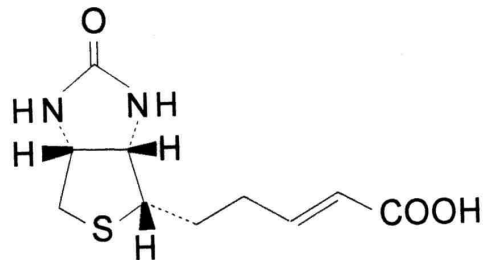
A – Spore chain morphology and spore surface in SEM (x 7.500)

Secondary metabolites from *Streptomyces lydicus*

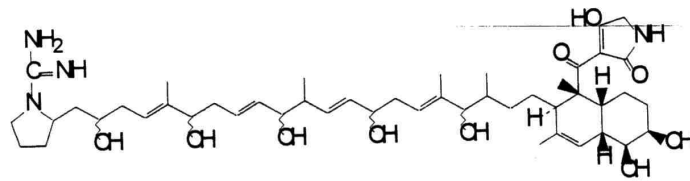
Ganefromycin, polyether-type antibiotic



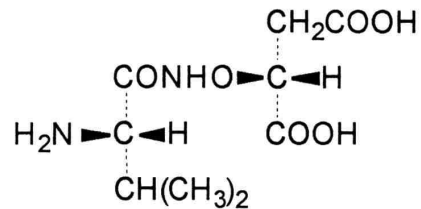
Lidimycin, biotin antimetabolit, antifungal agent



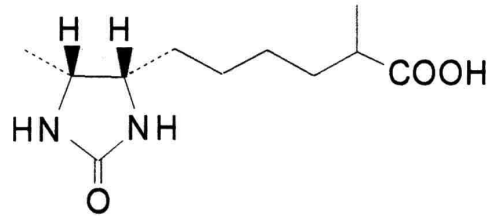
Lydicamycin, active against gram-posititve bacteria



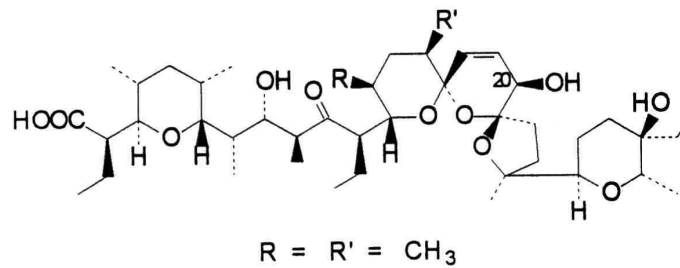
Malioxamycin, active against gram-negative bacteria, shows sphaeroplast forming activity



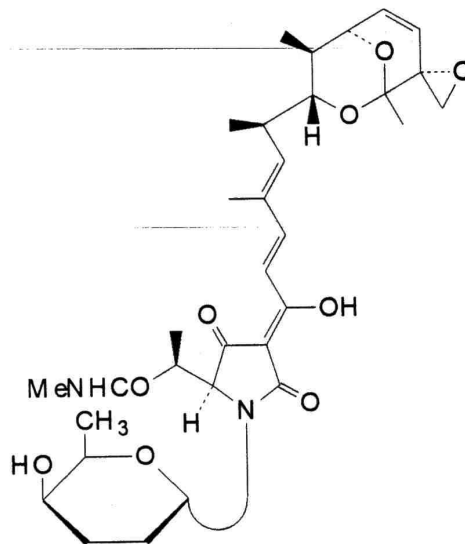
Methyldethiobiotin, antimetabolite antibiotic



Narasin A, polyether antibiotic, ionophore effective against viruses and particularly against coccidial infections in chickens



Streptolydigin, nucleoside antibiotic, active against gram-positive bacteria, RNA-polymerase inhibitor



Genus: *Streptomyces*

FH 2001

Species: *lydicus*

Numbers in other collections: IMET 43531

Morphology:

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

Spore chains: Sp

Spore surface: smooth

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
+	+	+	+	+	+	+	(+)	+	-	-

Comments:



Streptomyces lydicus

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



Streptomyces lydicus

D and E – Microplate with ISP- and melanin media