

Name: ***Streptomyces flavofungini***
Authors: Uri and Bekesi, 1958
Status: New Species
Reference(s): Int. J. Syst. Bacteriol. 36:574 (validation list)
Risk group: 1 (German classification)
Type strain: ATCC 27430, ISP 5366, SA-IX-3, DSM 40366

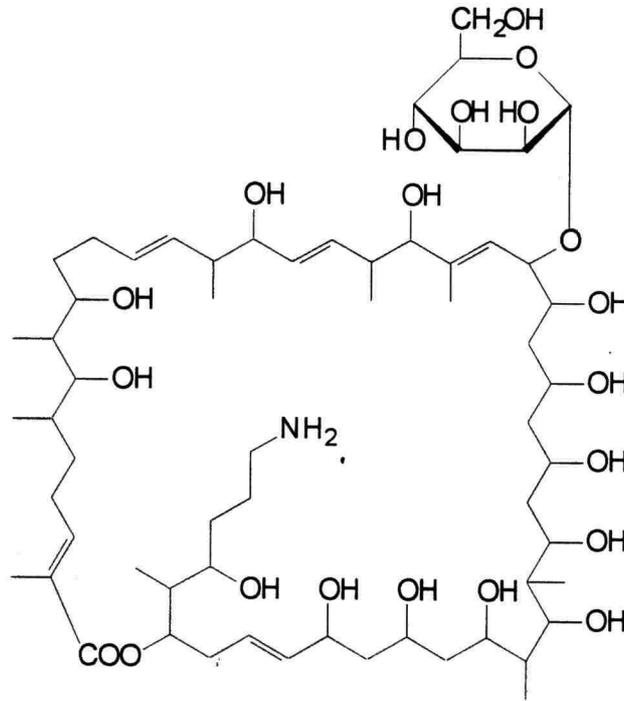


Streptomyces flavofungini

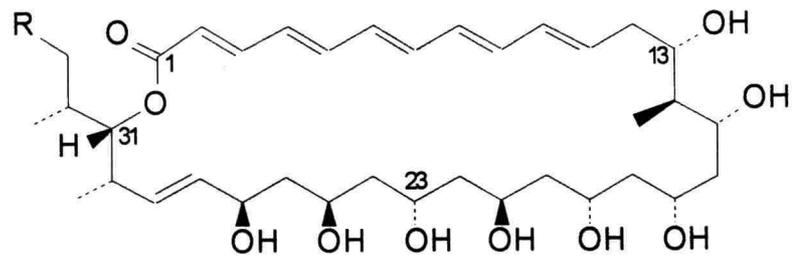
Agar plates medium 5315, 5317, 5323, 5265, 5318 and 5322

Secondary metabolites from *Streptomyces flavofungini*

Desertomycin A, antiviral agent



Flavofungin, pentaene antibiotic, antifungal and antiviral active



Flavofungin I R = H

Flavofungin II R = CH₃

Genus: *Streptomyces*

FH 2104

Species: *flavofungini*

Numbers in other collections: DSM 40366

Morphology:

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

Spore chains: very short

Spore surface: smooth

Sporangia:

Fragmentation:

Melanoid pigment: - - + -

NaCl resistance: 5 %

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: