

Name: ***Streptomyces calvus***

Authors: Backus et al. 1957

Status: Approved Lists

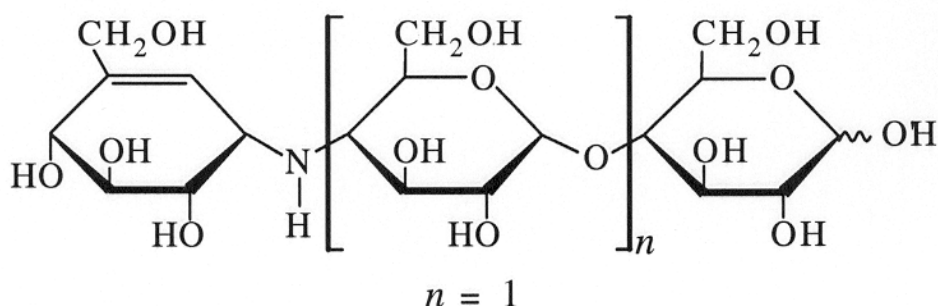
Reference(s): Int. J. Syst. Bacteriol. 30:375 (AL)

Risk group: 1 (German classification)

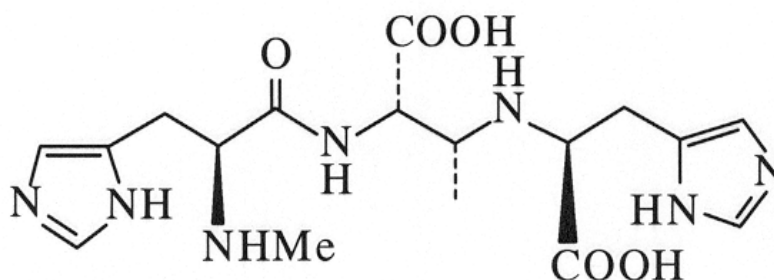
Type strain: ATCC 13382, DSM 40010

Metabolites from *Streptomyces calvus*

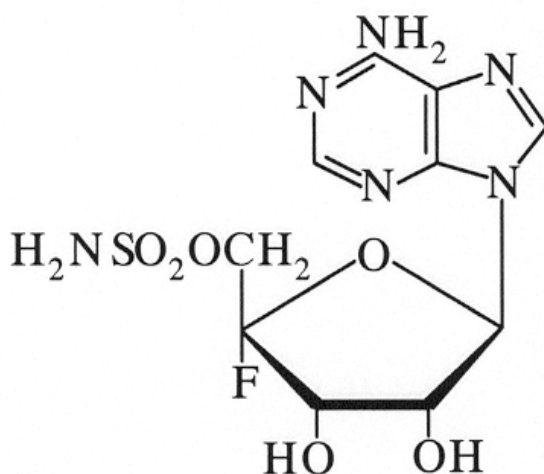
Adiposin 1, aminocyclitol antibiotic, active against gram-positive and – negative bacteria and phytopathogenic fungi, α -amylase inhibitor



Feldamycin, peptide antibiotic, active against gram-positive and – negative bacteria, inhibits melanin synthesis



Nucleocidin, nucleoside-type antibiotic, antitrypanosomal, inhibits protein synthesis



Genus: *Streptomyces*

FH 6333

Species: *calvus*

Numbers in other collections: **DSM 40010**

Morphology:

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

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



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C – Microplate with ISP- and melanin media