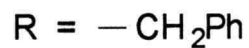
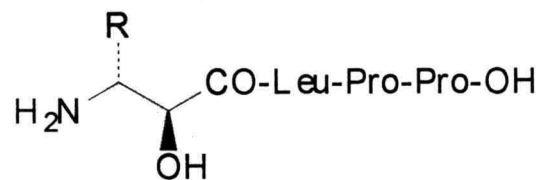


Name:	<i>Streptomyces azureus</i>
Authors:	Kelly et al. 1959
Status:	Approved Lists
Reference(s):	Int. J. Syst. Bacteriol. 30:373 (AL)
Risk group:	1 (German classification)
Type strain:	ATCC 14921, CBS 467.68, IFO 12744, IMET 43765, ISP 5106, RIA 1009, DSM 40106

### Secondary metabolites from *Streptomyces azureus*

Probestin, oligopeptide, aminopeptidase M inhibitor



**Genus:** *Streptomyces*

FH 1720

**Species:** *azureus*

**Numbers in other collections:** ATCC 14921

Morphology:

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

Spore chains: Sp

Spore surface: rugose

Sporangia:

Fragmentation:

**Melanoid pigment:** +

**NaCl resistance:** 5 %

**Lysozyme resistance:** 0,5 %

**pH:** Value-

Optimum-

**Temperature :** Value-

Optimum- 26°C

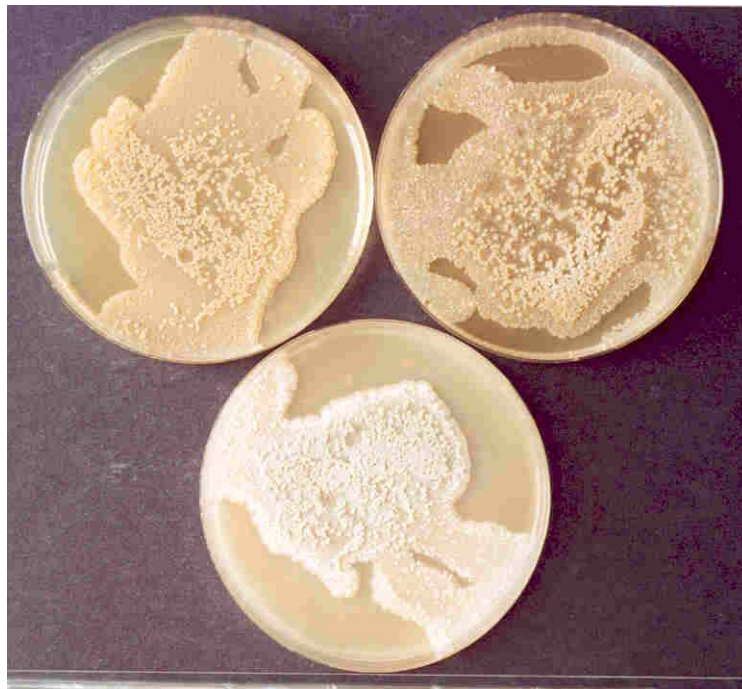
**Carbon utilization:**

Glu	Ara	Suc	Xyl	Ino	Man	Fru	Rha	Raf	Cel
+	+	(+)	+	+	+	+	+	+	

**Enzymes:**

Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
-	+	+	+	+	-	+	+	+	-	-

**Comments**



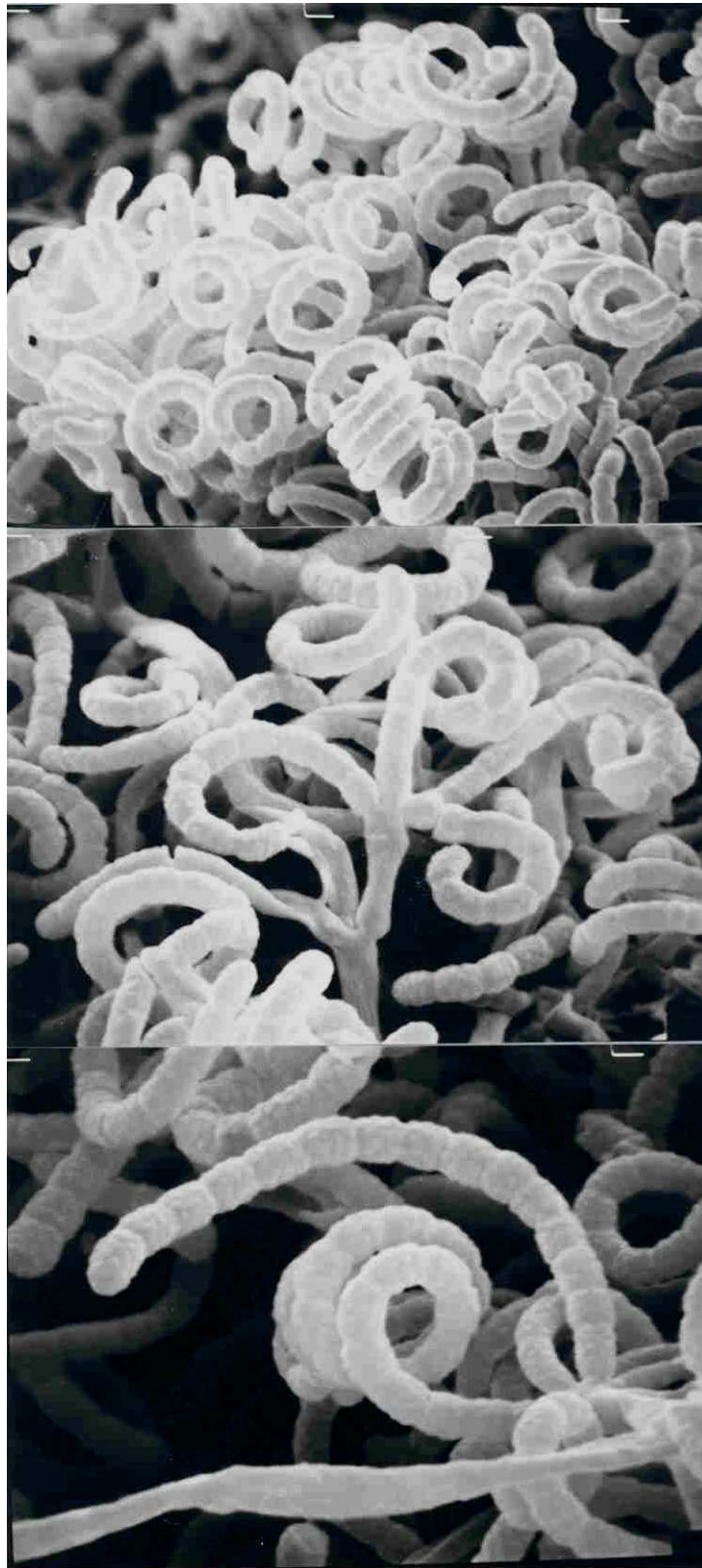
***Streptomyces azureus***

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



***Streptomyces azureus***

C and D – Microplate with ISP- and melanin media



***Streptomyces azureus***

Scanning electron microscopy of spore chains and the spore surface  
E x 5.000 F x 7.500 G x 10.000