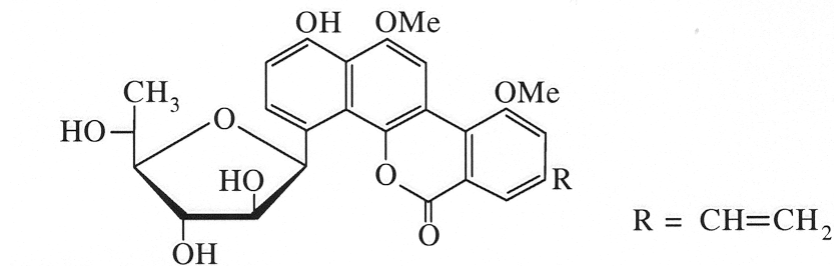


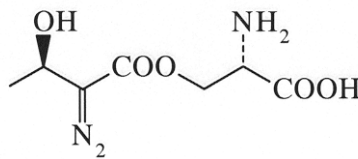
Name:	<i>Streptomyces coerulescens</i>
Authors:	(Preobrazhenskaya 1957) Pridham et al. 1958
Status:	Approved Lists
Reference(s):	Int. J. Syst. Bacteriol. 30:378 (AL)
Risk group:	1 (German classification)
Type strain:	ATCC 19896, IMET 43578, DSM 40146

### Secondary metabolites produced by *Streptomyces coerulescens*

Gilvocarcin V, a glycoside antibiotic, active against gram-positive bacteria and weakly active against gram-negative bacteria, fungi and tumors



Thrazarine, an amino acid antibiotic, antineoplastic agent



**Genus:** *Streptomyces*

**FH 6344**

**Species:** *coerulescens*

**Numbers in other collections:** **DSM 40146**

Morphology:

	G	R
<u>ISP 2</u>	good	brown beige
	A	SP
	pale green	none
	G	R
<u>ISP 3</u>	good	brown beige
	A	SP
	pale green	none
	G	R
<u>ISP 4</u>	good	brown beige
	A	SP
	pale green	none
	G	R
<u>ISP 5</u>	good	beige
	A	SP
	none	none
	G	R
<u>ISP 6</u>	good	brown beige
	A	SP
	none	brown beige
	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 coerulescens***

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



***Streptomyces coerulescens***

C and D – Microplate with ISP- and melanin media