

Name: ***Streptomyces griseoluteus***

Authors: Umezawa et al. 1950

Status: Approved Lists

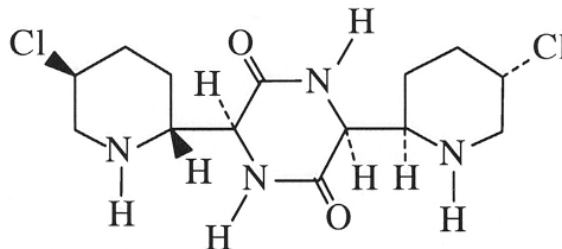
Reference(s): Int. J. Syst. Bacteriol. 30:386 (AL)

Risk group: 1 (German classification)

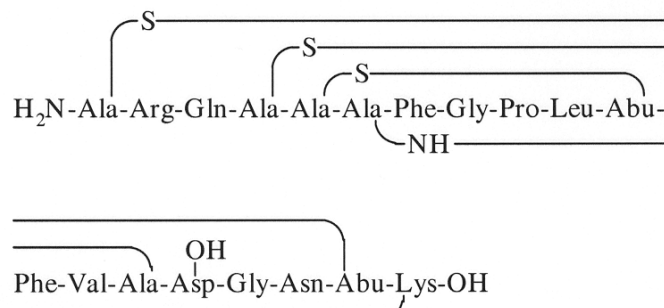
Type strain: ATCC 12768, DSM 40392

Metabolites described from *Streptomyces griseoluteus*

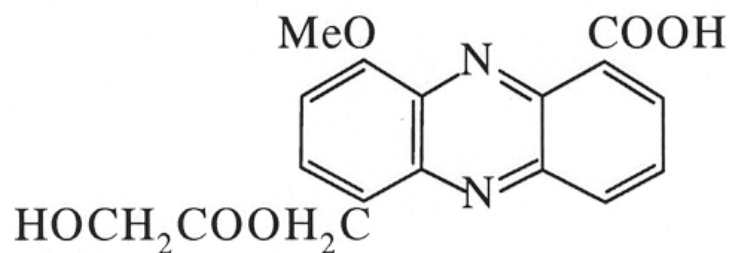
Antibiotic 593A, diketopiperazine antibiotic, shows antitumor activity



Duramycin B, lantibiotic, inhibitor of phospholipase A<sub>2</sub>



Griseolutin A, shows antibiotic activity against gram-positive and – negative bacteria



**Genus:** *Streptomyces*

**FH 6382**

**Species:** *griseoluteus*

**Numbers in other collections:** **DSM 40392**

Morphology:

	G	R
<u>ISP 2</u>	good	brown beige
	A	SP
	black grey	none
	G	R
<u>ISP 3</u>	good	beige
	A	SP
	black grey	none
	G	R
<u>ISP 4</u>	good	beige
	A	SP
	black grey	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	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 griseoluteus***

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