

Name: ***Streptomyces zaomyceticus***

Authors: Hinuma 1954

Status: Approved Lists

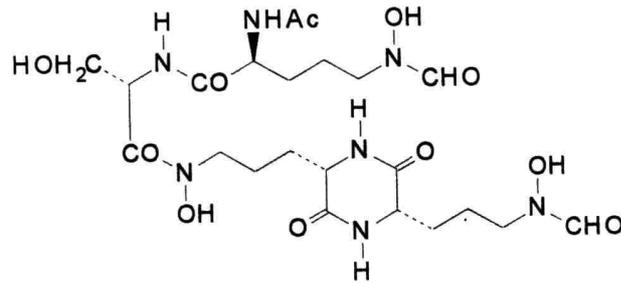
Reference(s): Int. J. Syst. Bacteriol. 30:406 (AL)

Risk group: 1 (German classification)

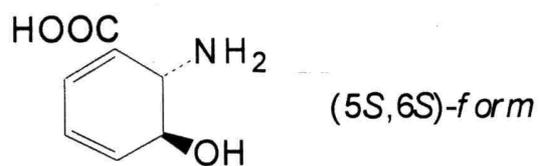
Type strain: ATCC 27482, IMET 43841, DSM 40196

Secondary metabolites from *Streptomyces zaomyceticus*

Foroxymithine, a diketopiperazine antibiotic, inhibitor of angiotensin-converting enzyme



Amino acid antibiotic, active against influenza virus



Genus: *Streptomyces*

FH 2193

Species: *zaomyceticus*

Numbers in other collections: ATCC 27482

Morphology:

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

Spore chains: RF

Spore surface: smooth

Sporangia:

Fragmentation:

Melanoid pigment: +

NaCl resistance:

Lysozyme resistance:

pH: Value-

Optimum-

Temperature : Value-

Optimum- 30°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
+	(+)	+	+	+	-	+	+	+	-	+



Streptomyces zaomyceticus

A – Agar plates medium 5265, 5315, 5317 and 5323

B – Agar plates medium 5318, 5322, 5337 with and without tyrosine

In both cases the Type Strain ATCC 27482 is in the lower row and the Glumamycin producing strain ATCC 13876 is in the upper row.