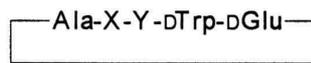


Name: ***Streptomyces misakiensis***
Authors: Nakamura 1961
Status: Approved Lists
Reference(s): Int. J. Syst. Bacteriol. 30:393 (AL)
Risk group: 1 (German classification)
Type strain: ATCC 23938, ISP 5222, DSM 40222

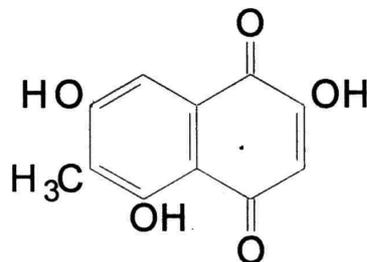
Secondary metabolites of *Streptomyces misakiensis*

Cyclic peptide antibiotic complex, endothelin receptor antagonists



WS 7338A X = D-Val, Y = Leu
WS 7338B X = D-*allo*-Leu, Y = Leu
WS 7338C X = D-Leu, Y = Leu
WS 7338D X = D-Val, Y = Val

Misakimycin, naphthoquinone, inhibitor of collagen formation and mammalian cell growth stimulant



Genus: *Streptomyces*

FH 2310

Species: *misakiensis*

Numbers in other collections: ATCC 23938

Morphology:

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

Spore chains: Rf

Spore surface: smooth

Sporangia:

Fragmentation:

Melanoid pigment: red exopigment on suter agar

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
-	+	+	+	+	-	+	+	+	-	-

Comments:



Streptomyces misakiensis

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

B – Agar plates medium 5006, 5318, 5322, 5337 with and without tyrosine