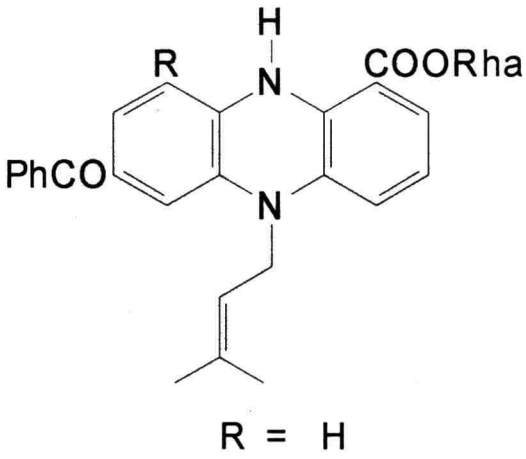
Name:	***Streptomyces purpeofuscus***
Authors:	Yamaguchi and Saburi 1955
Status:	Approved Lists
Reference(s):	Int. J. Syst. Bacteriol. 30:397 (AL)
Risk group:	1 (German classification)
Type strain:	ATCC 23952, CBS 935.68, IFO 12905, ISP 5283, RIA 1197, DSM 40283

Secondary metabolites from *Streptomyces purpeofuscus*
Aestivophoenin A, phenazine antibiotic, neuronal cell protecting agent



Genus: ***Streptomyces*** **FH 2031**
Species: ***purpeofuscus***
Numbers in other collections: DSM 40283

Morphology:

	G	R
ISP 2	good	green
	A	SP
	grey	none
	G	R
ISP 3	good	brown
	A	SP
	grey	none
	G	R
ISP 4	good	red brown
	A	SP
	grey	none
	G	R
ISP 5	good	green
	A	SP
	grey	none
	G	R
ISP 6	good	brown
	A	SP
	none	none
	G	R
ISP 7	good	green
	A	SP
	grey	none

Spore chains: RF
Spore surface: smooth
Sporangia:
Fragmentation:

Melanoid pigment: - - + -
NaCl resistance: 2,5%
Lysozyme resistance: -
pH: Value- Optimum-
Temperature : Value- Optimum- 28 ℃

Carbon utilization:

Glu	Ara	Suc	Xyl	Ino	Man	Fru	Rha	Raf	Cel
+	-	-	-	-	-	-	-	-	-

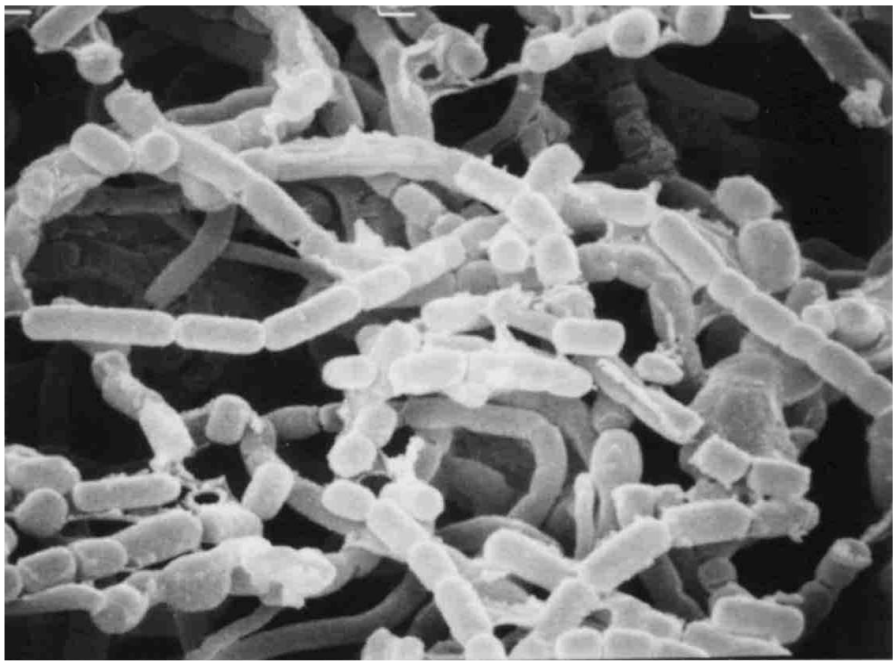
Enzymes:

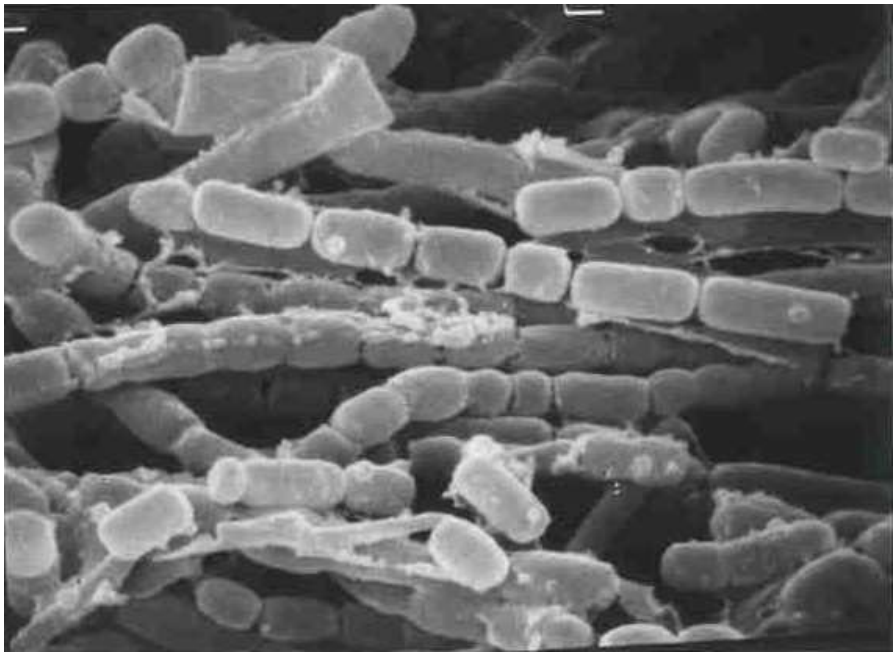
Gel	Cit	Ure	Arg	Onp	Trp	Lys	Odc	VP	Ind	H2S
-	-	+	-	-	-	-	-	+	-	-

Comments:

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

Streptomyces purpeofuscus
C and D – Microplate with ISP- and melanin media





Streptomyces purpeofuscus
Spore chain morphology and spore surface in SEM
E x 5.000 F x 7.500