

Name: *Kibdelosporangium albatum*

Authors: Tomita et al. 1993

Status: New Species

Literature: Int. J. Syst. Bacteriol. 43:299

Risk group: 1 (German classification)

Type strain: ATCC 55061, DSM 44149, R761-7

Author(s) Tomita, K., Hoshino, Y., Miyaki, T.

Title *Kibdelosporangium albatum* sp. nov., producer of the antiviral antibiotics cycloviracins.

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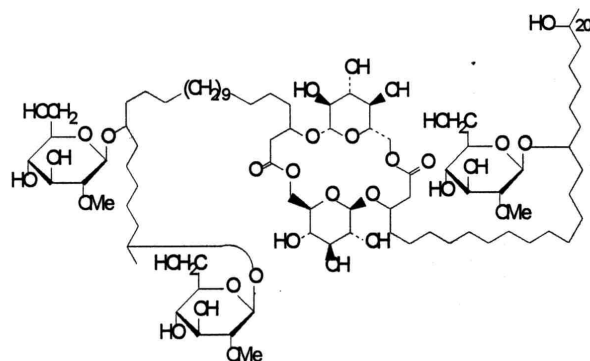
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Year 1993

Fatty acid pattern:

14 : 0 Iso	3,0	17 : 0 Anteiso	10,0
15 : 0 Iso	13,5	17 : 1 Cis 9	1,5
15 : 0 Anteiso	4,5	17 : 0	2,5
15 : 0 Iso	1,0	18 : 0 Iso	1,0
16 : 1 IsoH	2,5	18 : 0	4,0
16 : 1 Cis 9	3,0	17 : 0 Iso 3OH	6,5
16 : 0	7,0		
16 : 0 9methyl	1,0		
17 : 0 Iso	6,0		

Cycloviracin B an antiviral macrolide-glycolipid antibiotic from *Kibdelosporangium albatum*:



Genus: *Kibdelosporangium*

FH 2685

Species: *albatum*

Accession number: ATCC 55061

Morphology:

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

Spore chains: +

Spore surface: smooth

Sporangia: -

Fragmentation: -

Melanoid pigment: - - - -

NaCl resistance: 0 %

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-



Kibdelosporangium albatum

A – Agar plates medium 5006, 5265, 5315 and 5317

B – Agar plates medium 5323, 5317 and 5322

