

### Strain identifier

<b>BacDive ID:</b>	16068	<b>DOI:</b>	10.13145/bacdive16068.20191129.4.1
<b>Type strain:</b>	no	<b>Designation:</b>	8-44 FD 16317
<b>Culture col. no.:</b>	DSM 40634, ATCC 10595, CBS 369.49, ETH 10210, IPV 877, NCIB 8231, NRRL B-902, RIA 130, RIA 741		

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### Name and taxonomic classification

<a href="#">Ref.: 9586</a>	<b>Domain</b>	Bacteria
<a href="#">Ref.: 9586</a>	<b>Phylum</b>	Actinobacteria
<a href="#">Ref.: 9586</a>	<b>Class</b>	Actinobacteria
<a href="#">Ref.: 9586</a>	<b>Order</b>	Actinomycetales
<a href="#">Ref.: 9586</a>	<b>Family</b>	Streptomycetaceae
<a href="#">Ref.: 9586</a>	<b>Genus</b>	Streptomyces
<a href="#">Ref.: 9586</a>	<b>Species</b>	Streptomyces venezuelae
<a href="#">Ref.: 9586</a>	<b>Full Scientific Name</b>	Streptomyces venezuelae Ehrlich et al. 1948
<a href="#">Ref.: 9586</a>	<b>Designation:</b>	8-44 FD 16317
<a href="#">Ref.: 9586</a>	<b>Type strain:</b>	no

#### **Prokaryotic Nomenclature Up-to-date (PNU)**

<a href="#">Ref.: 20215</a>	<b>Domain</b>	Bacteria
<a href="#">Ref.: 20215</a>	<b>Phylum</b>	Actinobacteria
<a href="#">Ref.: 20215</a>	<b>Class</b>	Actinobacteria
<a href="#">Ref.: 20215</a>	Literature reference	Int. J. Syst. Bacteriol. 47:479*
<a href="#">Ref.: 20215</a>	<b>Family</b>	Streptomycetaceae
<a href="#">Ref.: 20215</a>	Literature reference	Int. J. Syst. Bacteriol. 30:225
<a href="#">Ref.: 20215</a>	<b>Genus</b>	Streptomyces

Ref.: 20215	Taxonomical status	genus (AL)
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 30:225
Ref.: 20215	<b>Species</b>	Streptomyces venezuelae
Ref.: 20215	Taxonomical status	species (AL)
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 30:225
Ref.: 20215	<b>Full Scientific Name</b>	Streptomyces venezuelae Ehrlich et al. 1948 emend. Nouioui et al. 2018

### Morphology and physiology

Ref.: 9586	<b>Name of produced compound</b>	chloramphenicol
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### Culture and growth conditions

Ref.: 9586	<b>Culture medium</b>	GYM STREPTOMYCES MEDIUM (DSMZ Medium 65), 28°C
Ref.: 9586	<b>Culture medium growth</b>	yes
Ref.: 9586	<b>Culture medium link</b>	<a href="https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium65.pdf">https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium65.pdf</a>

Ref.: 9586	<b>Temperatures</b>	<b>Kind of temperature</b>	<b>Temperature</b>
		growth	28 °C

Ref.: 9586	<b>Temperature range</b>	mesophilic
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### Isolation, sampling and environmental information

Ref.: 9586	<b>Sample type/isolated from</b>	compost soil
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#### **Isolation sources categories**

Cat1	Cat2	Cat3
#Engineered	#Biodegradation	#Composting
#Environmental	#Terrestrial	#Soil

### Application and interaction

Ref.: 9586	<b>Biosafety level</b>	1 Risk group (German classification)
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### Molecular biology



	<b>Sequence database</b>	<b>Sequence accession description</b>	<b>Sequence accession number</b>	<b>Sequence length(bp)</b>	<b>Associated NCBI tax ID</b>	
<a href="#">Ref.: 20218</a>	Marker Gene (EMBL Direct submission)	S.venezuelae 16S rRNA and 23S rRNA genes	X86939	466	1936	*
<a href="#">Ref.: 20218</a>	Marker Gene (EMBL Direct submission)	S.venezuelae 5S rRNA gene	X86940	170	1936	*

**Strain availability**

[Ref.: 9586](#)      **Culture collection no.**      DSM 40634, ATCC 10595, CBS 369.49, ETH 10210, IPV 877, NCIB 8231, NRRL B-902, RIA 130, RIA 741

[Ref.: 9586](#)      **Strain history**      <- J.B. Routien, Chas. Pfizer & Co., FD 16317 <- ATCC <- D. Gottlieb, 8-44

**Associated Passport(s) in StrainInfo**

- [Ref.: 20218](#)      165953 - <http://www.straininfo.net/strains/165953>
- [Ref.: 20218](#)      122273 - <http://www.straininfo.net/strains/122273>
- [Ref.: 20218](#)      231003 - <http://www.straininfo.net/strains/231003>
- [Ref.: 20218](#)      165956 - <http://www.straininfo.net/strains/165956>
- [Ref.: 20218](#)      122276 - <http://www.straininfo.net/strains/122276>
- [Ref.: 20218](#)      122277 - <http://www.straininfo.net/strains/122277>
- [Ref.: 20218](#)      122278 - <http://www.straininfo.net/strains/122278>
- [Ref.: 20218](#)      122280 - <http://www.straininfo.net/strains/122280>
- [Ref.: 20218](#)      122281 - <http://www.straininfo.net/strains/122281>

**References**

- [Ref.: 9586](#)      Leibniz Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH; Curators of the DSMZ; DSM 40634
- [Ref.: 20215](#)      D.Gleim, M.Kracht, N.Weiss et. al.: Prokaryotic Nomenclature Up-to-date - compilation of all names of Bacteria and Archaea, validly published according to the Bacteriological Code since 1. Jan. 1980, and validly published nomenclatural changes since.
- [Ref.: 20218](#)      Verslyppe, B., De Smet, W., De Baets, B., De Vos, P., Dawyndt P. StrainInfo introduces electronic passports for microorganisms.. Syst Appl Microbiol. 37: 42-50 2014 (10.1016/j.syapm.2013.11.002, 24321274)

**\* These References are textmined**

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