

### Strain identifier

<b>BacDive ID:</b>	15378	<b>DOI:</b>	10.13145/bacdive15378.20190402.4
<b>Type strain:</b>	yes	<b>Designation:</b>	1823/55
<b>Culture col. no.:</b>	DSM 40164, ATCC 19914, CBS 533.68, IFO 12792, ISP 5164, JCM 4394, NBRC 12792, RIA 1060		

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### Name and taxonomic classification

<a href="#">Ref.: 9360</a>	<b>Domain</b>	Bacteria
<a href="#">Ref.: 9360</a>	<b>Phylum</b>	Actinobacteria
<a href="#">Ref.: 9360</a>	<b>Class</b>	Actinobacteria
<a href="#">Ref.: 9360</a>	<b>Order</b>	Actinomycetales
<a href="#">Ref.: 9360</a>	<b>Family</b>	Streptomycetaceae
<a href="#">Ref.: 9360</a>	<b>Genus</b>	Streptomyces
<a href="#">Ref.: 9360</a>	<b>Species</b>	Streptomyces litmocidini
<a href="#">Ref.: 9360</a>	<b>Full Scientific Name</b>	Streptomyces litmocidini (Ryabova and Preobrazhenskaya 1957) Pridham et al. 1958
<a href="#">Ref.: 9360</a>	<b>Designation:</b>	1823/55
<a href="#">Ref.: 9360</a>	<b>Type strain:</b>	yes

#### **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. 47:483*
<a href="#">Ref.: 20215</a>	<b>Family</b>	Streptomycetaceae
<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 litmocidini
Ref.: 20215	Taxonomical status	comb. nov. (AL)
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 30:225
Ref.: 20215	<b>Full Scientific Name</b>	Streptomyces litmocidini (Ryabova and Preobrazhenskaya 1957) Pridham et al. 1958

## Morphology and physiology

Ref.: 9360	<b>Name of produced compound</b>	litmocidin
Ref.: 9360	<b>Name of produced compound</b>	granaticin

## Culture and growth conditions

Ref.: 9360	<b>Culture medium</b>	GYM STREPTOMYCES MEDIUM (DSMZ Medium 65), 28°C
Ref.: 9360	<b>Culture medium growth</b>	yes
Ref.: 9360	<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.: 9360	<b>Temperatures</b>	<b>Kind of temperature</b>	<b>Temperature</b>
		growth	28 °C

Ref.: 9360	<b>Temperature range</b>	mesophilic
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## Isolation, sampling and environmental information

Ref.: 9360	<b>Sample type/isolated from</b>	soil
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### **Isolation sources categories**

Cat1	Cat2	Cat3
#Environmental	#Terrestrial	#Soil

## Application and interaction

Ref.: 9360	<b>Biosafety level</b>	1 Risk group (German classification)
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### Molecular biology

	Sequence database	Sequence accession description	Sequence accession number	Sequence length(bp)	Associated NCBI tax ID	
<a href="#">Ref.: 20218</a>	Marker Gene (DDBJ Direct submission)	Streptomyces litmucidini gene for 16S rRNA, partial sequence	AB122758	564	67318	*
<a href="#">Ref.: 20218</a>	Marker Gene (DDBJ Direct submission)	Streptomyces litmucidini gene for 16S ribosomal RNA, partial sequence, strain: JCM 4394	D44109	120	67318	*
<a href="#">Ref.: 20218</a>	Marker Gene (DDBJ Direct submission)	Streptomyces litmucidini gene for 16S rRNA, partial sequence, strain: NBRC 12792	AB184149	1461	67318	*
<a href="#">Ref.: 20218</a>	Marker Gene (GenBank Direct submission)	Streptomyces litmucidini strain NRRL B-3635 16S ribosomal RNA gene, partial sequence	EF654101	1487	67318	*

### Strain availability

[Ref.: 9360](#)      **Culture collection no.**      DSM 40164, ATCC 19914, CBS 533.68, IFO 12792, ISP 5164, JCM 4394, NBRC 12792, RIA 1060

[Ref.: 9360](#)      **Strain history**      <- E.B. Shirling, ISP <- T.P. Preobrazhenskaya, INA, 1823/55

#### **Associated Passport(s) in StrainInfo**

[Ref.: 20218](#)      164910 - <http://www.straininfo.net/strains/164910>

[Ref.: 20218](#)      100744 - <http://www.straininfo.net/strains/100744>

[Ref.: 20218](#)      229166 - <http://www.straininfo.net/strains/229166>

[Ref.: 20218](#)      100748 - <http://www.straininfo.net/strains/100748>

[Ref.: 20218](#)      100749 - <http://www.straininfo.net/strains/100749>

[Ref.: 20218](#)      164912 - <http://www.straininfo.net/strains/164912>

[Ref.: 20218](#)      334435 - <http://www.straininfo.net/strains/334435>

[Ref.: 20218](#)      100751 - <http://www.straininfo.net/strains/100751>

### References

[Ref.: 9360](#)      Leibniz Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH; Curators of the DSMZ; DSM 40164

[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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