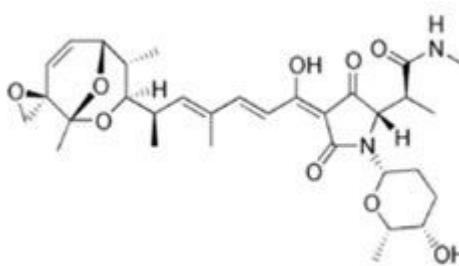


Streptolydigin Datasheet

5th Edition (Revised in January, 2017)**[Product Information]****Name:** Streptolydigin**Catalog No.:** CFN00138**Cas No.:** 7229-50-7**Purity:** > 95%**M.F:** C₃₂H₄₄N₂O₉**M.W:** 602.72**Physical Description:** Powder

Synonyms: 2-{4-[6-(1,6-Dimethylspiro[8,9-dioxabicyclo[3.3.1]non-3-ene-2,2'-oxiran]-7-yl)-4-methylhepta-2,4-dienoyl]-5-hydroxy-1-(5-hydroxy-6-methyltetrahydro-2H-pyran-2-yl)-3-oxo-2,3-dihydro-1H-pyrrol-2-yl}-N-methylpropanamide.

**[Intended Use]**

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]From *Streptomyces lydicus*.

[Biological Activity or Inhibitors]

Streptolydigin is a highly potent, broad-spectrum antibiotic produced by *Streptomyces lydicus*, which inhibits bacterial RNA polymerase.^[1]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[2]

Mobile phase: 0.01M Sodium 1-heptanesulfonate - Acetonitrile=65:35 ;

Flow rate: 0.5 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 263/447 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Pronin S V, Kozmin S A. *J. Am. Chem. Soc.*, 2010, 132(41):14394-6.

[2] Chen X H , Liu X L, Dong M S, *et al. Chinese Journal of Analytical Laboratory*,2004, 23(10):30-2.

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