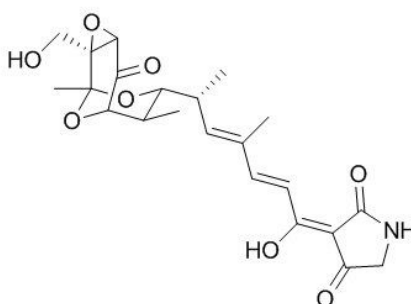


## Tirandamycin B Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)**[ Product Information ]****Name:** Tirandamycin B**Catalog No.:** CFN00142**Cas No.:** 60587-14-6**Purity:** > 95%**M.F:** C<sub>22</sub>H<sub>27</sub>NO<sub>8</sub>**M.W:** 433.46**Physical Description:** Powder**Synonyms:** 5-hydroxy-4-((2E,4E)-6-[2-(hydroxymethyl)-1,7-dimethyl-5-oxo-3,9,10-trioxatricyclo[4.3.1.0~2,4~]dec-8-yl]-4-methylhepta-2,4-dienoyl)-1,2-dihydro-3H-pyrrol-3-one.**[ Intended Use ]**

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

**[ Source ]**From *Streptomyces spectabilis*.**[ Biological Activity or Inhibitors ]**

Tirandamycin B has inhibition on lymphatic filariasis. [1]

Tirandamycin B has antitumor and antibacterial activities.[2]

## **[ Solvent ]**

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

## **[ HPLC Method ]<sup>[2]</sup>**

Mobile phase: Acetonitrile- H<sub>2</sub>O-Acetic acid, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 215/357 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Holzgrabe U. *Pharmazie in Unserer Zeit*, 2011, 40(6):450-1.

[2] Duan C R, Yao Y L, Wang Z W, *et al. Chinese Journal of Marine Drugs*, 2010(6):12-20.

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