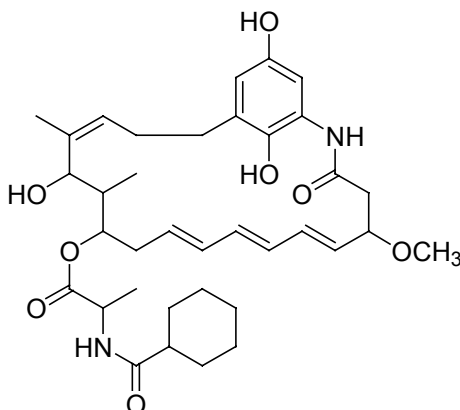


## Ansatrienin B

Code: **BIA-A1005**

Pack sizes: **1.0 mg, 5.0 mg**



Synonyms : **Antibiotic T 23II, Mycotrienin II, T 23II**

### Specifications

CAS # : **82189-04-6**  
Molecular Formula : **C<sub>36</sub>H<sub>50</sub>N<sub>2</sub>O<sub>8</sub>**  
Molecular Weight : **638.8**  
Source : ***Streptomyces* sp. MST-AS5998**  
Appearance : **Pale yellow powder**  
Purity : **> 95% by HPLC, < 5% Ansatrienin A**  
Long Term Storage : **-20°C, protect from light**  
Solubility : **Soluble in ethanol, methanol, DMF or DMSO.**

### Application Notes

Ansatrienin B, also known as Mycotrienin II and Antibiotic T 23II was isolated from a *Streptomyces* sp.. Closely related to the cytotrienins and trienomycins, it displays potent anticancer activity against cell lines and inhibits osteoclastic bone resorption. Ansatrienin B also significantly potentiates the action of several clinical anti-cancer agents.

### References

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2. Potentiation of mitomycin C, 6-mercaptopurine, bleomycin, cis-diamminedichloroplatinum and 5-fluorouracil by mycotrienins and mycotrienols. Kuwano M. et al. *Gann.* **1983**, 74, 759.
3. Studies on mycotrienin antibiotics, a novel class of ansamycins. II. Structure elucidation and biosynthesis of mycotrienins I and II. Sugita M. et al. *J. Antibiot.* **1982**, 35, 1467.