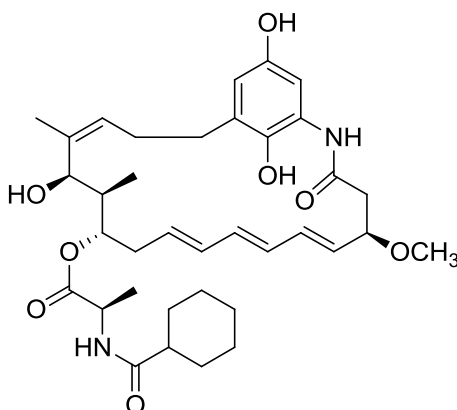


## Ansatrienin B

Code No.: **BIA-A1005**

Pack sizes: **1 mg, 5 mg**



Synonyms : 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	: <i>Streptomyces</i> sp.
Appearance	: Pale yellow powder
Purity	: >95% by HPLC (< 5% Ansatrienin A)
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

## 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 activity against tumor cell lines and inhibits osteoclastic bone resorption. Ansatrienin B also significantly potentiates the action of several clinical anti-cancer agents.

## References

1. Mycotrienins. A new class of potent inhibitors of osteoclastic bone resorption. Feuerbach D. et al., J. Biol. Chem. 1995, 270, 25949.
2. Potentiation of mitomycin C, 6-mercaptopurine, bleomycin, cis-diamminedichloroplatinum and 5-fluoro-uracil 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.