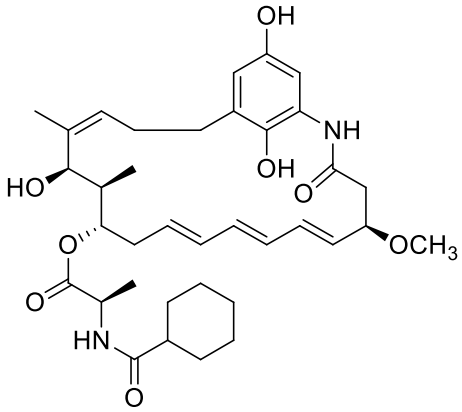
bioaustralis
fine chemicals

PRODUCT DATA SHEET

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	:	**$C_{36}H_{50}N_2O_8$**
Molecular Weight	:	**638.8**
Source	:	***Streptomyces* 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.

Updated: 20 May 2021

Building C, 28-54 Percival Road, Smithfield, NSW 2164, AUSTRALIA

Tel: 61 2 9757 4515 Fax: 61 2 9757 2586 Web: www.bioaustralis.com Email: info@bioaustralis.com