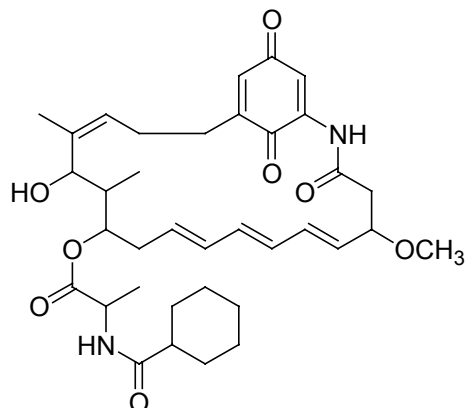


Ansatrienin A

Code: **BIA-A1004**

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



Synonyms : **Mycotrienin I, Antibiotic T 231**

Specifications

CAS # : **82189-03-5**
Molecular Formula : **C₃₆H₄₈N₂O₈**
Molecular Weight : **636.8**
Source : ***Streptomyces* sp. MST-AS5998**
Appearance : **Yellow powder**
Purity : **> 99% by HPLC**
Long Term Storage : **-20°C, protect from light**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO.**

Application Notes

Ansatrienin A, isolated from a *Streptomyces* sp., is closely related to the cytotrienins and trienomycins. It displays potent anticancer activity against cell lines and inhibits osteoclastic bone resorption. Ansatrienin A 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-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.