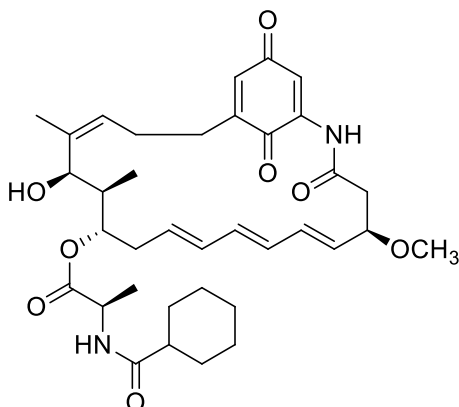


Ansatrienin A

Code No.: **BIA-A1004**

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



Synonyms : Mycotrienin I, T 231

Specifications

CAS #	: 82189-03-5
Molecular Formula	: C₃₆H₄₈N₂O₈
Molecular Weight	: 636.8
Source	: <i>Streptomyces</i> sp.
Appearance	: Yellow Powder
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Ansatrienin A, isolated from a *Streptomyces* sp., is closely related to the cytotrienins and trienomycins. It displays potent activity against tumor 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-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.