

Product Name: Ansatrienin B

Product Number: A126

CAS Number: 82189-04-6

Molecular Formula: $C_{36}H_{50}N_2O_8$

Molecular Weight: 638.8

Appearance: Pale yellow powder

Storage Conditions: -20°C

Description: 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.

Ansatrienin B is soluble in ethanol, methanol, DMF and DMSO.

References: Mycotrienins. A new class of potent inhibitors of osteoclastic bone resorption. Feuerbach D. et al. , J. Biol. Chem. 1995, 270, 25949.

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.

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.