

**Catalog # 10-1576**

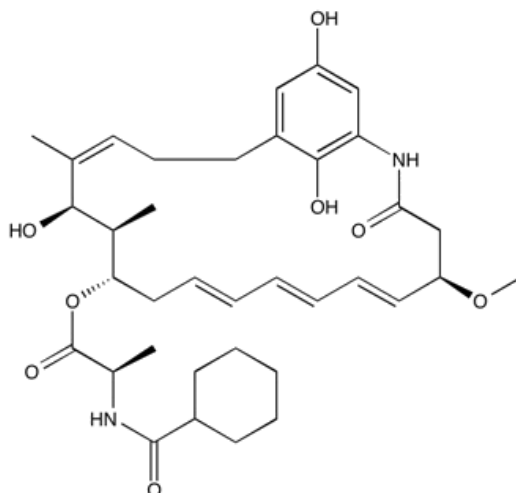
**Ansatrienin B**

CAS# 82189-04-6

Mycotrienin II; Antibiotic T2311

Fermentation product from *Streptomyces sp.*

Lot # X106934



Represents a novel class of ansamycins.<sup>1</sup> Inhibits osteoclastic bone resorption.<sup>2</sup> Potentiates the activity of several clinically useful antitumor agents.<sup>3</sup> Translation inhibitor which prevents ICAM-1 expression induced by pro-inflammatory cytokines.<sup>4</sup>

- 1) Sugita *et al.* (1982), *Studies on mycotrienin antibiotics, a novel class of ansamycins. II. Structure elucidation and biosynthesis of mycotrienins I and II*; J. Antibiot. (Tokyo), **35** 1467
- 2) Feuerbach *et al.* (1995), *Mycotrienins. A new class of potent inhibitors of osteoclastic bone resorption*; J. Biol. Chem., **270** 25949
- 3) Yamada *et al.* (2011), *Mycotrienin II, a translation inhibitor that prevents ICAM-1 expression induced by pro-inflammatory cytokines*; J. Antibiot. (Tokyo), **64** 361

**PHYSICAL DATA**

Molecular Weight:	638.87
Molecular Formula:	C <sub>36</sub> H <sub>50</sub> N <sub>2</sub> O <sub>8</sub>
Purity:	98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO, DMF, Ethanol or Methanol
Physical Description:	Pale-yellow solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 1 year from the date of purchase. Solutions in DMSO, DMF, methanol or ethanol may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

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