

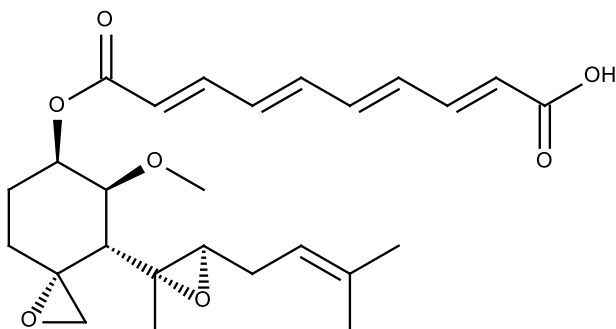
Catalog # 10-1146

Fumagillin

CAS# 23110-15-8

(2E,4E,6E,8E)-Mono[(3R,4S,5S,6R)-5-methoxy-4-[(2R,3R)-2-methyl-3-(3-methyl-2-butenyl)oxiranyl]-1-oxaspiro[2.5]oct-6-yl] 2,4,6,8-decatetraenedioic acid ester

Lot # S102131



Fumagillin is a natural product isolated from the microbial organism *Aspergillus fumigatus* and used as an antimicrobial for honey bees. It covalently binds and inhibits methionine aminopeptidase-2.¹ Fumagillin also inhibits endothelial cell proliferation *in vitro* and tumor-induced angiogenesis *in vivo*.²

- 1) Sin, *et al.*, (1997) *The anti-angiogenic agent fumagillin covalently binds and inhibits the methionine aminopeptidase, MetAP-2* Proc.Natl. Acad.Sci. U.S.A. **94** 6099
- 2) Ingber *et al.*, (1990) *Synthetic analogues of fumagillin that inhibit angiogenesis and suppress tumour growth.* Nature **348** 555

PHYSICAL DATA

Molecular Weight:	458.54
Molecular Formula:	C ₂₆ H ₃₄ O ₇
Purity:	95% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 25 mg/ml)
Physical Description:	Orange solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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