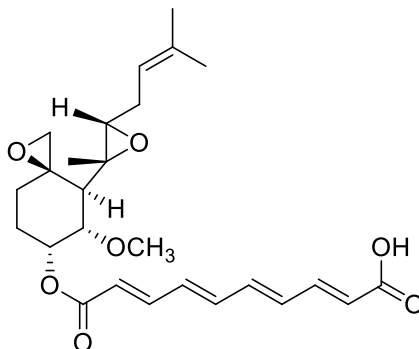


Fumagillin

Code No.: **BIA-F1256**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms : Fumadil B, H-3, NSC 9168, U 5762, TNP-470

Specifications

CAS #	: 23110-15-8
Molecular Formula	: C ₂₆ H ₃₄ O ₇
Molecular Weight	: 458.6
Source	: <i>Aspergillus fumigatus</i>
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

Fumagillin is a polyene mycotoxin isolated from *Aspergillus fumigatus* in 1951 as a potent antiprotozoan for the treatment of amoebiasis. More recently, fumagillin has been shown to inhibit endothelial cell proliferation and angiogenesis by inhibiting methionine aminopeptidase-2 (MetAP-2).

References

1. Fumagillin (H-3), a new antibiotic with amebicidal properties. McCowen M. C. et al., Science 1951, 23, 202.
2. Molecular recognition of angiogenesis inhibitors fumagillin and ovalicin by methionine aminopeptidase 2. Griffith E. C. et al., PNAS 1998, 95, 15183.
3. Fumagillin: an anti-infective as a parent molecule for novel angiogenesis inhibitors. Lefkove B. et al., Expert Rev. Anti Infect. Ther. 2007, 5, 573.