

<b>Product Name:</b>	Fumagillin
<b>Product Number:</b>	F029
<b>CAS Number:</b>	23110-15-8
<b>Molecular Formula:</b>	$C_{26}H_{34}O_7$
<b>Molecular Weight:</b>	458.6
<b>Appearance:</b>	Yellow powder
<b>Storage Conditions:</b>	-20°C
<b>Description:</b>	<p>Fumagillin is a polyene mycotoxin isolated from <i>Aspergillus fumigatus</i> in 1951 as a potent antiprotozoan for the treatment of amoebiasis. More recently, fumagillin has been shown to inhibit endothelial cell proliferation and angiogenesis.</p> <p>Fumagillin is soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.</p>
<b>Mechanism of Action:</b>	Fumagillin inhibits endothelial cell proliferation and angiogenesis by inhibiting methionine aminopeptidase-2 (MetAP-2).
<b>References:</b>	<p>Fumagillin (H-3), a new antibiotic with amebicidal properties. McCowen M. C. et al. Science 1951, 23, 202.</p> <p>Molecular recognition of angiogenesis inhibitors fumagillin and ovalicin by methionine aminopeptidase 2. Griffith E. C. et al. PNAS 1998, 95, 15183.</p> <p>Fumagillin: an anti-infective as a parent molecule for novel angiogenesis inhibitors. Lefkove B. et al. Expert Rev. Anti Infect. Ther. 2007, 5, 573.</p>