Thiolutin

RNA polymerase inhibitor

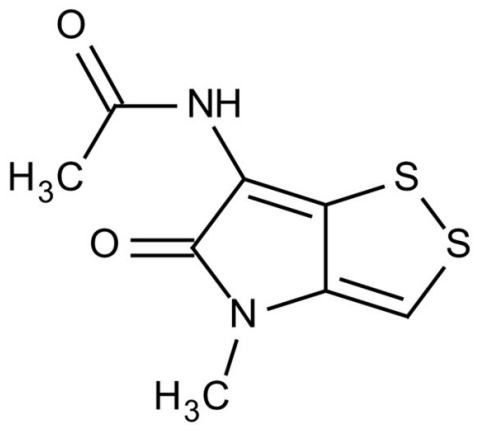
Sulfur containing antibiotic. Potent inhibitor of bacterial and yeast RNA polymerases. Inhibits mRNA chain elongation. Inhibits adhesion of endothelial cells (HUVECs) to vitronectin (IC_{50}=0.83 µM) thereby inhibiting tumor cell-induced angiogenesis *in vivo*. Inhibits transcription in *C. albicans* . Inhibits microbiological growth in beer. Active against soil borne pathogens.

Citations: 11 View Online »

Ordering Information Order Online »

BML-CT107-0001	1mg
BML-CT107-0005	5mg

Manuals, SDS & CofA View Online »


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NH
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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	6-(Acetamido)-4-methyl-1,2-dithiolo[4,3-b]-pyrrol-5(4H)-one
Appearance	Yellow crystalline solid.
CAS	87-11-6
Couple Target	RNA polymerase
Couple Type	Inhibitor
Formula	$C_8H_8N_2O_2S_2$
MW	228.3
Purity	≥95% (HPLC, TLC)
Solubility	Soluble in DMSO (5mg/ml), very slightly soluble in water
Source	Isolated from *Streptomyces luteosporeus*

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