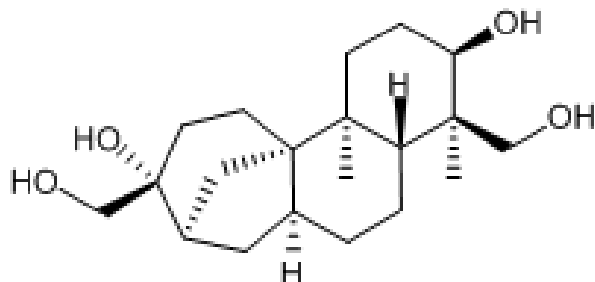


**Aphidicolin (CAS: 38966-21-1)****Catalog #: EBC51015****Biological Activity**

<b>Synonyms</b>	APC
<b>Chemical Name</b>	(3R,4R,4aR,6aS,8R,9R,11aS,11bS)-4,9-bis(hydroxymethyl)-4,11b-dimethyltetradecahydro-8,11a-methanocyclohepta[a]naphthalene-3,9-diol
<b>Application</b>	Aphidicolin is a novel tetracyclic diterpene antibiotic and also a DNA synthesis inhibitor in eukaryotes
<b>CAS No.</b>	38966-21-1
<b>Purity</b>	≥98.0%
<b>Molecular Weight</b>	338.48
<b>Molecular Formula</b>	C <sub>20</sub> H <sub>34</sub> O <sub>4</sub>
<b>Shipping</b>	Gel Pack
<b>Storage</b>	Store at -20° C
<b>Target &amp; IC<sub>50</sub></b>	

**Molecular Structure****Solubility**

DMSO: 50mg/mL

Methanol: 10mg/mL

**PS:** < 1 mg/ml refers to the product insoluble**Description**

Aphidicolin is a diterpene fungal metabolite that blocks the cell cycle at early S-phase. In addition, Aphidicolin is a tetracyclic diterpene antibiotic with antiviral and antimitotic properties. Aphidicolin was first isolated from *Cephalosporium aphidicola*. Aphidicolin is a specific inhibitor of DNA polymerase  $\alpha$  and  $\delta$  in eukaryotic cells and in some viruses of animal origin.

**For Reserch Use Only. Not For Use In Diagnostic Procedures**

**EbioCell Lifesciences, Inc.**  
Imperial Business Park 4819 Emperor Boulevard,  
Suite 408 Durham, NC 27703, USA

**Order:** order@ebiocell.com  
TEL: (540)808-3925  
**Supprt:** tech@ebiocell.com