(+)-Aphidicolin

Reversible inhibitor of DNA polymerase a and d

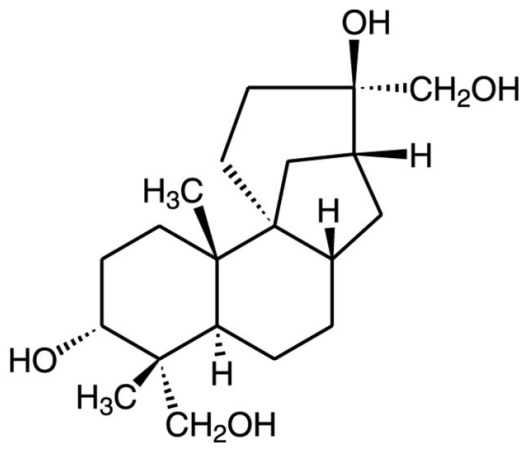
Produced by *Cephalosporium aphidicola* and other fungi. A diterpene fungal metabolite that acts as reversible inhibitor of eukaryotic nuclear DNA replication. Useful for cell synchronization. Blocks the cell cycle at early S phase. Prolongs the half life of DNA methyltransferase. Specific inhibitor of DNA polymerase α and δ in eukaryotic cells and in some viruses of animal origin. Acts synergistically with vincristine and doxorubicin. Apoptosis inhibitor/inducer.

Citations: 21 View Online »

Ordering Information Order Online »

BML-CC101-0001	1mg

Manuals, SDS & CofA View Online »


OH
CH2OH
H
H3C
H
HO
H
H3C
CH2OH

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored, as supplied, at -20°C. Stock solutions are stable for up to 3 months at -20°C.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	White to off-white solid.
CAS	38966-21-1
Couple Target	DNA polymerase
Couple Type	Inhibitor
Formula	$C_{20}H_{34}O_4$
MI	**14:** 727
MW	338.5
Purity	≥98% (TLC)
Solubility	Soluble in DMSO (25mg/ml) or ethanol (25mg/ml).

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ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

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