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## DATASHEET

Cephalochromin

### Product overview

<b>Name</b>	Cephalochromin
<b>Cat No</b>	HB3825
<b>Purity</b>	>98%
<b>Description</b>	Selective FabI inhibitor. Apoptosis inducer.

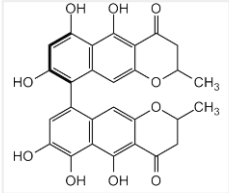
### Biological Data

<b>Biological description</b>	Mycotoxin. Bis(naphtha-gamma-pyrone) derivative similar to chaetochromin and ustilaginoidin. Antibiotic. Antibacterial, antifungal and anti-algal compound. Antitumor and cytotoxic compound. Calmodulin-sensitive PDE activity inhibitor. Inhibits NO production by activated macrophages. Selective FabI (bacterial enoyl-acyl carrier protein (ACP) reductase) inhibitor. Inducer of G0/G1 cell cycle arrest and apoptosis in human A549 cells.
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### Solubility & Handling

<b>Storage instructions</b>	+4 °C
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Chemical name</b>	2,2',3,3'-Tetrahydro-5,5',6,6',8,8'-hexahydroxy-2,2'-dimethyl-9,9'-bi[4H-naphtho[2,3-b]pyran]-4,4'-dione
<b>Molecular Weight</b>	518.5
<b>Chemical structure</b>	
<b>CAS Number</b>	25908-26-3
<b>PubChem identifier</b>	0
<b>SMILES</b>	CC1CC(=O)c2c(O)c3c(O)cc(O)c(c3cc2O1)c4c(O)cc(O)c5c(O)c6C(=O)CC(C)Oc6cc45
<b>InChiKey</b>	FCPNXYHPAIZMNJ-UHFFFAOYSA-N
<b>Appearance</b>	Orange amorphous powder