

Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@m2stage.hellobio.com



DATASHEET

Cephalochromin

Product overview

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

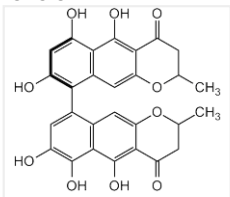
Biological Data

Biological description	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.
-------------------------------	--

Solubility & Handling

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

Chemical Data

Chemical name	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
Molecular Weight	518.5
Chemical structure	
CAS Number	25908-26-3
PubChem identifier	0
SMILES	<chem>CC1CC(=O)c2c(O)c3c(O)cc(O)c(c3cc2O1)c4c(O)cc(O)c5c(O)c6C(=O)CC(C)Oc6cc45</chem>
InChiKey	FCPNXYHPAIZMNJ-UHFFFAOYSA-N
Appearance	Orange amorphous powder