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

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

customercare-usa@hellobio.com



DATASHEET

Cephalochromin

Product overview

Name Cephalochromin
Cat No HB3825

Purity >98%

Description Selective Fabl 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 Fabl (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°

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions Stable for ambient temperature shipping. Follow storage instructions on receipt.

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 structure

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

HO OH OCH₃

25908-26-3

CAS Number

PubChem identifier

SMILES CC1CC(=O)c2c(O)c3c(O)cc(O)c(c3cc2O1)c4c(O)cc(O)c5c(O)c6C(=O)CC(C)Oc6cc45 InChiKey FCPNXYHPAIZMNJ-UHFFFAOYSA-N

Appearance Orange amorphous powder