

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

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

customercare-usa@m2stage.hellobio.com



## DATASHEET

### Cytostatin

## Product overview

Name	Cytostatin
Cat No	HB3864
Purity	>75%
Description	Potent, selective PP2A inhibitor

## Biological Data

Biological description	Potent and selective protein phosphatase 2A (PP2A) inhibitor. Cell adhesion inhibitor. Inhibits the adhesion of B16 melanoma cells to laminin and collagen type IV in a dose dependent manner but not to fibronectin. Antitumor agent. Antimetastatic. Apoptosis inducer.
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## Solubility & Handling

Storage instructions	+4°C
Solubility overview	Soluble in DMSO, and in water
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	5,6-Dihydro-6-(6-hydroxy-1,5-dimethyl-4-(phosphonoxy)-7,9,11-tridecatrienyl)-5-methyl-2H-pyran-2-one
Molecular Weight	450.4
Chemical structure	The chemical structure of Cytostatin is shown. It features a 5,6-dihydro-2H-pyran-2-one core. Attached to the 6-position is a 1,5-dimethyl-4-(phosphonoxy)-7,9,11-tridecatrienyl group. The phosphonoxy group is shown as O=P(=O)(OH)O-. The core is substituted with a methyl group at the 5-position and a hydroxyl group at the 2-position.
Molecular Formula	C <sub>21</sub> H <sub>32</sub> O <sub>7</sub> PNa
CAS Number	457070-06-3
InChiKey	DXWSCXWALSKXSD-ZHCXJCEOSA-M
Appearance	Yellowish powder