

Hello Bio, Inc.  
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## DATASHEET

Butyrolactone I

### Product overview

<b>Name</b>	Butyrolactone I
<b>Cat No</b>	HB3820
<b>Purity</b>	>97%
<b>Description</b>	Potent, selective CDK1, CDK2 and CDK5 inhibitor

### Biological Data

<b>Biological description</b>	Cell permeable, potent and selective cyclin-dependent kinase CDK-1 (CDC2), -2 and -5 inhibitor. Apoptosis inducer. Antitumor agent. Inhibits cell cycle progression at the G1/S and G2/M transitions. Shown to prevent the phosphorylation of retinoblastoma protein and H1 histone. Important probe for understanding the cellular roles of CDKs.
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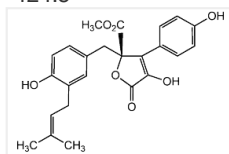
### Solubility & Handling

<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

**Molecular Weight**  
**Chemical structure**

424.5



<b>CAS Number</b>	87414-49-1
<b>PubChem identifier</b>	0
<b>SMILES</b>	<chem>CC(C)=CCc1cc(COC(=O)[C@]2(C)OC(=O)C(=C2c3ccc(O)cc3O)ccc1O</chem>
<b>InChiKey</b>	NGOLMNWQNHWEKU-UHFFFAOYSA-N
<b>Appearance</b>	White to off-white solid