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DATASHEET

Butyrolactone I

Product overview

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

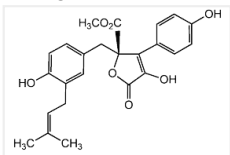
Biological Data

Biological description	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

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

Molecular Weight	424.5
Chemical structure	
CAS Number	87414-49-1
PubChem identifier	0
SMILES	<chem>CC(C)=CCc1cc(COC(=O)[C@]2(C)OC(=O)C(=C2c3ccc(O)cc3)O)ccc1O</chem>
InChiKey	NGOLMNWQNHWEKU-UHFFFAOYSA-N
Appearance	White to off-white solid