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

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

customercare-usa@hellobio.com



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.

Solubility & Handling

+4°C Storage instructions

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

Molecular Weight Chemical structure 424.5

CAS Number PubChem identifier

SMILES InChiKey **Appearance** 87414-49-1

CC(C)=CCc1cc(COC(=O)[C@]2(C)OC(=O)C(=C2c3ccc(O)cc3)O)ccc1O

NGOLMNWQNHWEKU-UHFFFAOYSA-N

White to off-white solid