Kenpaullone

ALTERNATE NAME: 9-Bromo-7,12-dihydroindolo-[3,2-d][1]benzazepin-6(5H)-one

CATALOG #: 1904-1

AMOUNT: 1 mg

STRUCTURE:

MOLECULAR FORMULA: C_{16}H_{11}BrN_{2}O

MOLECULAR WEIGHT: 327.18

CAS NUMBER: 142273-20-9

APPEARANCE: Tan solid

SOLUBILITY: DMSO (>25 mg/ml)

PURITY: ≥98%

STORAGE: Store at -20 °C

DESCRIPTION: Cell-permeable. A potent inhibitor of CDK1/cyclin B (IC_{50} = 400 nM), CDK2/cyclin A (IC_{50} = 680nM), CDK5 (IC_{50} = 850nM) and with much less effect other kinases. In addition, it has been found to be a useful GSK-3β inhibitor (IC_{50} = 23nM). More recently, kenpaullone has been shown to increase neurogenesis of human neural progenitor cells through stimulation of Wnt/β-catenin signaling pathway.


HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:
- BIO (Cat. No. 1673-1)
- Butyrolactone I (Cat. No. 1690-200)
- CHIR CHIR99021 (Cat. No. 1677-5, 25)
- EZSolution™ CHIR99021 (Cat. No. 1748-5)
- Compound 1 (Cat. No. 1688-1)
- Cyclopamine (Cat. No. 1576-5)
- Cyclosporine A (Cat. No. 1522-100, 1G)
- DAPT (Cat. No. 1855-5)
- Dexamethasone (Cat. No. 1042-1G, 10G)
- Forskolin, Coleus Forskohlii (Cat. No. 1531-5)
- Geldanamycin (Cat. No. 1564-1,5)
- GSK-3 Inhibitor, TWiS119 (Cat. No. 1655-2)
- Hh Signaling Pathway Antagonist (Cat. No. 1659-1)
- JK 184 (Cat. No. 1726-1)
- Pumorphamine (Cat. No. 1672-5)
- Rapamycin (Cat. No. 1568-5,50)
- EZSolution™ Rapamycin (Cat. No. 1746-5)
- Reversine (Cat. No. 1851-1, 5)
- SB-216763 (Cat. No. 1769-1, 5)
- SB-431542 (Cat. No. 1674-1)
- Sodium Butyrate (Cat. No. 1609-1000)
- Stauprimide (Cat. No. 1743-500)
- Trichostatin A (Cat. No. 1606-1)
- U0126 (Cat. No. 1668-5)