

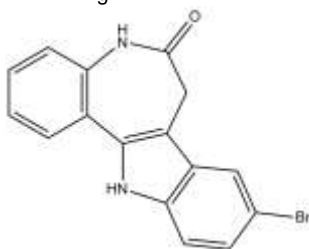
## Kenpaullone

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

**CATALOG #:** 1904-1

**AMOUNT:** 1 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>16</sub>H<sub>11</sub>BrN<sub>2</sub>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<sub>50</sub> = 400 nM), CDK2/cyclin A (IC<sub>50</sub> = 680nM) , CDK5 (IC<sub>50</sub> = 850nM) and with much less effect other kinases. In addition, it has been found to be a useful GSK-3β inhibitor (IC<sub>50</sub> = 23nM). More recently, kenpaullone has been shown to increase neurogenesis of human neural progenitor cells through stimulation of Wnt/β-catenin signaling pathway.

**REFERENCE:** Lange, C., et al. (2011). *Neurosci. Lett.* **488**, 36-40.

**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. 1578-5)
- 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, TWS119 (Cat. No. 1655-2)
- Hh Signaling Pathway Antagonist (Cat. No. 1659-1)
- JK 184 (Cat. No. 1726-1)
- Purmorphamine (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)