Kenpaullone

Inhibitor of CDK and GSK

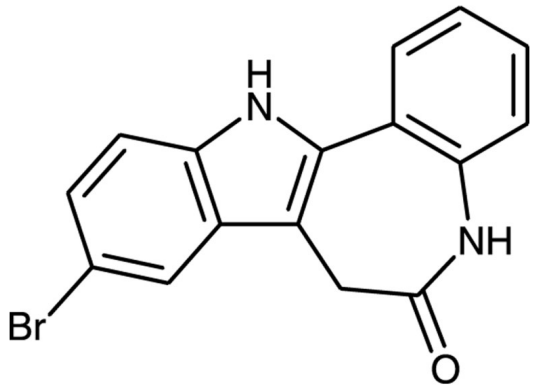
Potent inhibitor of CDK1/cyclin B (IC50=400nM). Also inhibits CDK2/cyclin A (IC50=680nM) , CDK5 (IC50=850nM) and with much less effect other kinases. More recently, kenpaullone has been found to be a useful GSK-3β inhibitor (IC50=23nM). Induces pluripotency in somatic cells when used in combination with reprogramming factors. Increases neurogenesis of human neural progenitor cells through stimulation of Wnt/β-catenin signaling pathway.

Citations: 10 View Online »

Ordering Information Order Online »

BML-EI310-0005	5mg

Manuals, SDS & CofA View Online »

 H N NH Br O	

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored, as supplied, at -20°C. Stock solutions are stable for up to 3 months at -20°C.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	9-Bromo-7,12-dihydroindolo-[3,2-d][1]benzazepin-6(5H)-one
Appearance	Tan solid.
CAS	142273-20-9
Couple Target	CDK, GSK
Couple Type	Inhibitor
Formula	$C_{16}H_{11}BrN_2O$
Identity	Determined by 1H-NMR.
MW	327.2
Purity	≥98% (TLC)
Solubility	Soluble in DMSO (>25mg/ml); insoluble in water or ethanol.

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