

Catalog	Unit
TBI1397 - 1MG	1 mg
TBI1397 - 5MG	5 mg

### Product Details

**Formal Name:** 9-Nitro-7,12-dihydroindolo-[3,2-d][1]benzazepin-6(5)-one

**Molecular Formula:** C<sub>16</sub>H<sub>11</sub>N<sub>3</sub>O<sub>3</sub>

**Formula Weight:** 293.28

**CAS Number:** 237430-03-4

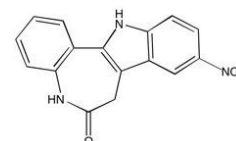
**Purity:** >98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (up to 10 mg/ml).

**Storage:** RT

**Stability:**  $\geq$  2 years.



### Applications

GSK-3 $\beta$  inhibitor; CDK5/p25 inhibitor

### Functions

Alsterpaullone (237430-03-4) is a potent and selective inhibitor of GSK-3 $\beta$  and CDK5/p25. Potent inhibitor of CDK1/cyclin B (IC<sub>50</sub> = 35 nM). Alsterpaullone induces apoptosis and inhibits angiogenesis.

### Application Procedures

First dissolved in DMSO (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

### Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

**For research use only.**