

Catalog Number: CM03365

### 产品信息

**Catalog Number:**  
CM03365

**CAS号:**  
237430-03-4

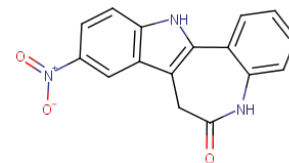
**分子式:**  
C<sub>16</sub>H<sub>11</sub>N<sub>3</sub>O<sub>3</sub>

**主要靶点:**  
GSK-3|Apoptosis|CDK

**主要通路:**  
凋亡|PI3K/Akt/mTOR信号通路|干  
细胞|细胞周期

**分子量:**  
293.28

**溶解度:**  
DMSO:12 mg/mL (40.92 mM)



### 靶点活性

Cdk1/cyclin B:35 nM|K2/Cyc E:200 nM|CDK5/p35:40 nM|cdk2/cyclin A:15 nMCD

### 体外活性

Alsterpaullone inhibited HeLa cells in a time-dependent (0-72 h) and dose-dependent (0-30  $\mu$  M) manner. In the presence of alsterpaullone, HeLa cells were arrested in G2/M prior to undergoing apoptosis via a mechanism that is involved in the regulation of various antiapoptotic genes, DNA-repair, transcription, and cell cycle progression. Compared to controls, alsterpaullone effectively prevented HeLa cells from entering S-phase. These potential therapeutic efficacies could be correlated with the activation of caspase-3[1].

### 描述

Alsterpaullone is a Cyclin-Dependent Kinase Inhibitor, Mediated Toxicity in HeLa Cells Through Apoptosis-Inducing Effec

### 储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years