

Catalog Number: CM04893

## 产品信息

**Catalog Number:**  
CM04893

**CAS号:**  
1226895-15-3

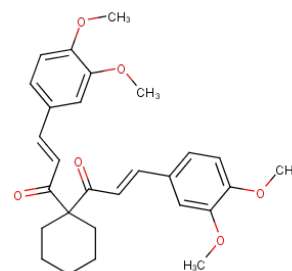
**分子式:**  
C<sub>28</sub>H<sub>32</sub>O<sub>6</sub>

**主要靶点:**  
JAK|STAT|Apoptosis

**主要通路:**  
表观遗传|血管生成|JAK/STAT信号  
通路|凋亡|干细胞

**分子量:**  
464.55

**溶解度:**  
DMSO:85 mg/mL (183  
mM), Ethanol:24 mg/mL (51.7  
mM), H<sub>2</sub>O:<1 mg/mL



## 靶点活性

JAK2:<5 μM

## 体外活性

In MDA-MB-231 breast and PANC-1 pancreatic cancer cells, FLLL32 downregulates STAT3 phosphorylation and DNA-binding activity. In MDA-MB-231 cells, FLLL32 inhibit the formation of colonies and cell invasion. [1] In human multiple myeloma, glioblastoma, liver cancer, and colorectal cancer cell lines, FLLL32 also leads to the inhibition of cell proliferation and the induction of caspase-3 and PARP cleavages. [2]

## 体内活性

In MDA-MB-231 xenografted mice, FLLL32 (50 mg/kg, i.p.) significantly reduces tumor burdens. [1] In mouse xenografts with OS-33 osteosarcoma cells, FLLL32 (50 mg/kg, i.p.) also inhibits tumor growth by targeting STAT3. [3]

## 细胞实验

Cells are seeded in 96-well plates (3,000 per well) in triplicate and then treated with 0.5 to 5 μM of FLLL31 or FLLL32 or with 0.5 to 30 μM of curcumin for 72 h. MTT (25 μL) is added to each sample and incubated for 3.5 h. Then, 100 μL of N,N-dimethylformamide solubilization solution are added to each well. The absorbance at 450 nm is read the following day. IC<sub>50</sub> are determined using Sigma Plot 9.0 software.(Only for Reference)

## 描述

FLLL32 is an effective JAK2/STAT3 inhibitor (IC<sub>50</sub> of <5 μM).

## 储存

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