

Catalog Number: CM05239

### 产品信息

**Catalog Number:**  
CM05239

**CAS号:**  
856925-71-8

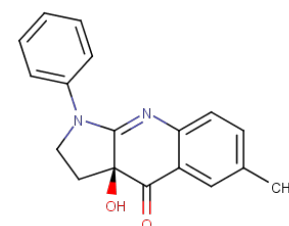
**分子式:**  
C<sub>18</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub>

**主要靶点:**  
Myosin|ATPase

**主要通路:**  
细胞骨架|离子通道

**分子量:**  
292.33

**溶解度:**  
DMSO:29.2 mg/mL (100 mM)



### 靶点活性

non-muscle myosin II ATPases:0.5 μM-5 μM

### 体内活性

Blebbistatin completely relaxes both KCl- and carbachol-induced rat detrusor and endothelin-1-induced human bladder contraction in a dose-dependent manner. Pre-incubation with 10 μM blebbistatin attenuates carbachol responsiveness by 65% while blocking electrical field stimulation-induced bladder contraction reaching 50% inhibition at 32 Hz[4].

### 细胞实验

Freshly isolated HSCs are replated on 96-well plate. At day 3, medium is replaced by serum-free medium and cells are starved overnight, treated with or without blebbistatin (25 μM) for 2 h followed by stimulation with platelet-derived growth factor-BB (20 ng/mL). After an overnight incubation, the WST-1 cell proliferation assay are performed[3].

### 描述

(-)-Blebbistatin is an S enantiomer of blebbistatin. It is a potent and selective myosin II inhibitor with IC<sub>50</sub> ranging from 0.5 to 5 μM.

### 储存

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