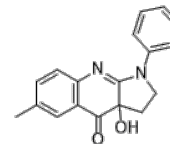


**Product Name** : Blebbistatin  
**Cat. No.** : PC-22347  
**CAS No.** : 674289-55-5  
**Molecular Formula** : C<sub>18</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub>  
**Molecular Weight** : 292.34  
**Target** : Myosin  
**Solubility** : 10 mM in DMSO



## Biological Activity

Blebbistatin is a potent and selective non-muscle myosin II (NMII) inhibitor with IC<sub>50</sub> of 0.5-5 μM. Blebbistatin inhibits contraction of the cleavage furrow without disrupting mitosis or contractile ring assembly. Blebbistatin inhibits pancreatic adenocarcinoma cellular invasiveness; inhibits some myosin II-independent processes. Blebbistatin inhibits other activities in the absence of myosin II.

## References

- Straight AF, et al. Science. 2003 Mar 14;299(5613):1743-7.  
Abe M, et al. J Biol Chem. 2003 Nov 28;278(48):47707-12.  
Duxbury MS, et al. Biochem Biophys Res Commun. 2004 Jan 23;313(4):992-7.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com