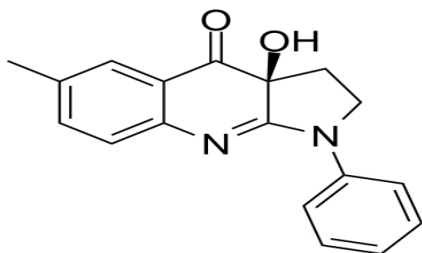


**(-)-Blebbistatin (CAS: 856925-71-8)****Catalog #: EBC51005****Biological Activity**

<b>Synonyms</b>	(S)-(-)-Blebbistatin, (S)-(-)-Blebbistatin
<b>Chemical Name</b>	1-Phenyl-1,2,3,4-tetrahydro-4-hydroxypyrrolo[2.3-b]-7-methylquinolin-4-one
<b>Application</b>	(-)-Blebbistatin is an inhibitor of myosin II
<b>CAS No.</b>	856925-71-8
<b>Purity</b>	≥99%
<b>Molecular Weight</b>	292.33
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>16</sub> N <sub>2</sub> O <sub>2</sub>
<b>Shipping</b>	Gel Pack
<b>Storage</b>	Store at -20° C
<b>Target &amp; IC<sub>50</sub></b>	myosin II ATPase activity: IC <sub>50</sub> = 5 μM ATPase: IC <sub>50</sub> = 2 μM smooth muscle myosin: IC <sub>50</sub> = 80 μM

**Molecular Structure****Solubility**

DMSO: 29.2 mg/mL (100 mM)

**PS:** < 1 mg/ml refers to the product insoluble

**Description**

(S)-(-)-Blebbistatin is a selective inhibitor of myosin II (MYH2). It also inhibits contraction of the cleavage furrow without disrupting of mitosis or the contractile ring assembly. (S)-(-)-Blebbistatin exhibits rapid and reversible blocking of cell blebbing, as well as disruption of directed cell migration and of cytokinesis in vertebrate cells.

**For Reserch Use Only. Not For Use In Diagnostic Procedures**

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