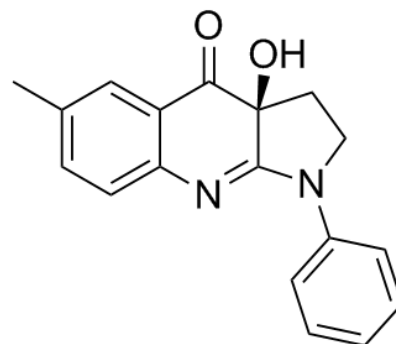


Product Name : Blebbistatin S enantiomer
Cat. No. : PC-43535
CAS No. : 856925-71-8
Molecular Formula : C₁₈H₁₆N₂O₂
Molecular Weight : 292.3318
Target : Myosin
Solubility :



Biological Activity

Blebbistatin S enantiomer ((S)-(-)-Blebbistatin) is the S enantiomer of blebbistatin, which is a potent and selective myosin II inhibitor with IC₅₀ of 0.5-5 μM; inhibits contraction of the cleavage furrow without disrupting mitosis or contractile ring assembly, inhibits pancreatic adenocarcinoma cellular invasiveness; inhibits some myosin II-independent processes and that 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.
Shu S, et al. Proc Natl Acad Sci U S A. 2005 Feb 1;102(5):1472-7.

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

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