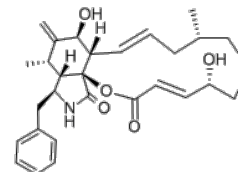


**Product Name** : Cytochalasin B  
**Cat. No.** : PC-62435  
**CAS No.** : 14930-96-2  
**Molecular Formula** : C<sub>29</sub>H<sub>37</sub>NO<sub>5</sub>  
**Molecular Weight** : 479.6  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

Cytochalasin B is a cell-permeable mycotoxin that inhibits network formation by actin filaments, inhibits cell movement and induces nuclear extrusion, shows K<sub>d</sub> value of 1.4-2.2 nM for F-actin.

Cytochalasin B also inhibits **glucose transport** and platelet aggregation.

Cytochalasin B blocks adenosine-induced apoptotic body formation without affecting activation of endogenous ADP-ribosylation in leukemia HL-60 cells.

## References

Theodoropoulos PA, et al. *Biochem Pharmacol.* 1994 May 18;47(10):1875-81.

Jung CY, et al. *J Biol Chem.* 1977 Aug 10;252(15):5456-63.

Tanaka Y, et al. *Exp Cell Res.* 1994 Jul;213(1):242-52.

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

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