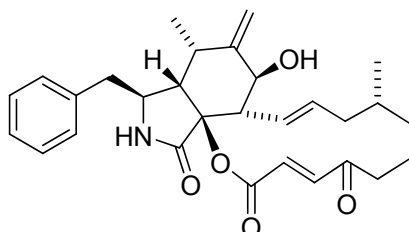


## Cytochalasin A

Code: **BIA-C1249**

Pack sizes: **1 mg, 5 mg**



Synonyms : **Dehydrophomin**

### Specifications

CAS # : **14110-64-6**  
Molecular Formula : **C<sub>29</sub>H<sub>35</sub>NO<sub>5</sub>**  
Molecular Weight : **477.6**  
Source : ***Drechslera dematoidea***  
Appearance : **White powder**  
Purity : **> 98% by HPLC**  
Storage : **-20°C**  
Solubility : **Soluble in ethanol, methanol, DMF or DMSO.**

### Application Notes

Cytochalasin A is one of a family of potent mycotoxins produced by several species of fungi. All members of the class exhibit profound effects on cytoskeletal proteins which give rise to pronounced morphogenic activity in animals and plants. Like most cytochalsins, cytochalasin A exhibits potent inhibition of actin filament function leading to cell death by apoptosis and displays a broad range of resultant cellular actions. Despite the common mode of action, there is evidence that individual members of this class display diverse selectivity. Specifically, cytochalasin A was shown to be one of the few cytochalasins exhibiting activity against HIV-1 protease.

### References

1. The structures of cytochalasin A and B. Aldridge D. C. et al. J. Chem. Soc. 1967, 1667.
2. L-696,474, a novel cytochalasin as an inhibitor of HIV-1 protease. III. Biological activity. Lingham R. B. et al. J. Antibiot. 1992, 45, 686.