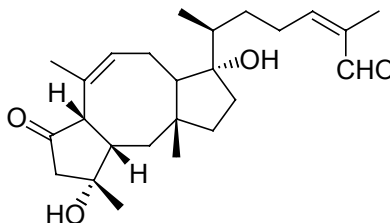


## Ophiobolin B

Code: **BIA-O1064**

Pack sizes: **1.0 mg, 5.0 mg**



Synonyms : **Cochliobolin B, Zizanin B, Ophiobolsin A**

### Specifications

CAS # : **5601-74-1**  
Molecular Formula : **C<sub>25</sub>H<sub>38</sub>O<sub>4</sub>**  
Molecular Weight : **402.6**  
Source : ***Bipolaris leersia* MST-FP107**  
Appearance : **White solid**  
Purity : **> 95% by HPLC**  
Long Term Storage : **-20°C**  
Solubility : **Soluble in ethanol, methanol, DMF or DMSO.**

### Application Notes

Ophiobolin B is a minor member of a class of phytotoxic metabolites produced by *Bipolaris* & other genera of plant pathogenic fungi. Ophiobolin B acts as an inhibitor of calmodulin action in calcium regulation. In-house testing at Microbial Screening Technologies has revealed that ophiobolin B possesses a broad biological profile exhibiting antibacterial, antitumor and nematocidal activities.

### References

1. Calmodulin and lipid binding to synaptobrevin regulates calcium-dependent exocytosis. Quetglas S. *EMBO J.* **2002**, 21, 3970.
2. The biology of ophiobolins. Au T.K. *et al.* *Life Sci.* **2000**, 67, 733.