Ophiobolin A (Cochliobolin A) is a tetracyclic sesterpenoid phytotoxin isolated from Cochliobolus heterostrophus. This phytotoxin displays growth-inhibitory effects both in plant cells and in mammalian cells. Ophiobolin A was found to have anti-tumor effect in the B16F10 mouse melanoma model with lung pseudometastases.

Ophiobolin A induces paraptosis-like cell death in human glioblastoma cells by decreasing BKCa channel activity. In addition, ophiobolin A’s anti-cancer activity is attributed to its covalent modification of phosphatidylethanolamine in human cancer cells as well as its ability to activate mitochondrial pathway of apoptosis in tumor cells.

**References**


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**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.