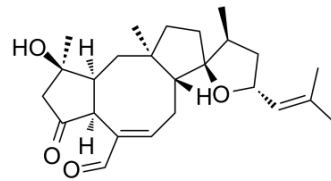


Ophiobolin A

| | |
|--------------------|---|
| Cat. No.: | HY-N6781 |
| CAS No.: | 4611-05-6 |
| Molecular Formula: | C ₂₅ H ₃₆ O ₄ |
| Molecular Weight: | 400.55 |
| Target: | Phosphodiesterase (PDE) |
| Pathway: | Metabolic Enzyme/Protease |
| Storage: | Please store the product under the recommended conditions in the COA. |



BIOLOGICAL ACTIVITY

| | |
|---------------------------|---|
| Description | Ophiobolin A, a fungal metabolite and a phytotoxin, is a potent and irreversibly inhibitor of calmodulin-activated cyclic nucleotide phosphodiesterase , with an IC ₅₀ value of 9 μM. Ophiobolin A antimicrobial and anticancer activity [1]. |
| IC ₅₀ & Target | IC50: 9 μM (calmodulin-activated cyclic nucleotide phosphodiesterase)[1]. |

REFERENCES

[1]. Leung PC, et al. Ophiobolin A. A natural product inhibitor of calmodulin. J Biol Chem. 1984 Mar 10;259(5):2742-7

Caution: Product has not been fully validated for medical applications. For research use only.

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