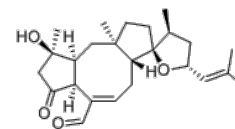


Product Name : Ophiobolin A
Cat. No. : PC-72370
CAS No. : 4611-05-6
Molecular Formula : C₂₅H₃₆O₄
Molecular Weight : 400.559
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Ophiobolin A (OphA) is a potent, covalent **calmodulin** (CaM) inhibitor, with broad toxicity against plants, microbes, and cancer cells, OphA also is a **K-Ras4B** but not an H-Ras selective inhibitor.

OphA disrupts membrane organization of K-Ras in a CaM-dependent manner and blocked the growth of cancer stem cell enriched spheroids derived from breast cancer cell lines.

References

Au TK, Chick WS, Leung PC. *Life Sci.* 2000 Jul 7; 67(7):733-42.

Leung PC, Taylor WA, Wang JH, Tipton CL. *J Biol Chem.* 1984 Mar 10; 259(5):2742-7.

Najumudeen AK, et al. *Oncogene.* 2016 Oct 6; 35(40):5248-5262.

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

E-mail: tech@probechem.com