



Okadaic acid (OA)

Cat. No. AE0100

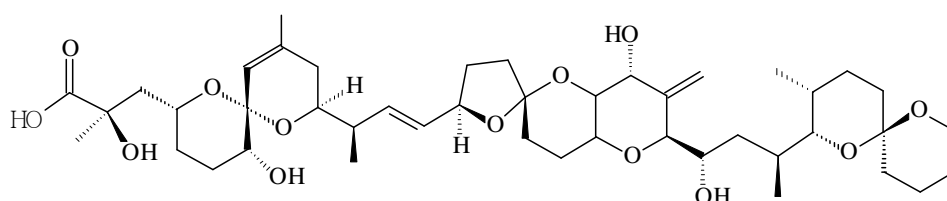
Description An ionophore-like polyether isolated from marine dinoflagellate *Prorocentrum lima*. Implicated as causative agent of diarrhetic shellfish poisoning. Potent inhibitor of protein phosphatase type 1 (PP1) and protein phosphatase type 2A (PP2A). Useful for the study of protein phosphatases in cell extracts as well as intact cells.

Form White crystal solid

Molecular weight 804.5

Molecular formula C₄₄H₆₈O₁₃

Structure



Purity ≥ 95% by HPLC

Solubility MeOH, EtOH or DMSO

Storage Stable in -25 °C for 2 year

Toxicity LD₅₀: 200 µg/kg IP. to mice

Reference Yasumoto, T., *et al.* 1985. *Tetrahedron* 41, 1019.

Cohen, P. 1989. *Ann. Rev. Biochem.* 58, 453.

1. Harmonized tariff code: 2932.29.5050.
2. This product does not contain any animal derived additives, such as albumin.
3. This product is for laboratory use only, not for human or drug use.