宇生物科技股份有限公司 Zen-U Biotechnology Co., Ltd.

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Okadaic acid (OA)

Cat. No. AE0100

An ionophore-like polyether isolated from marine dinoflagellate **Description**

> 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 $C_{44}H_{68}O_{13}$

Structure

Purity \geq 95% by HPLC

Solubility MeOH, EtOH or DMSO Stable in -25 °C for 2 year **Storage 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.

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.