

Okadaic acid, Protein phosphatase inhibitor

Catalog	Unit
TBI2091-20UG	20ug
TBI2091-100UG	100ug

Product Details

Formal Name: Isolated from marine dionflagellates

Molecular Formula: C₄₄H₆₈O₁₃

Formula Weight: 805.00

CAS Number: 78111-17-8

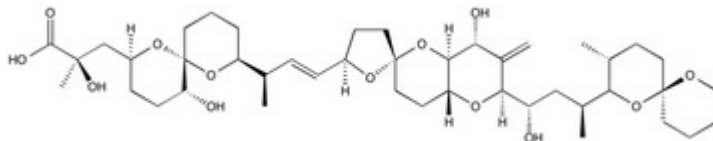
Purity: >98%

Formulation: Lyophilized

Solubility: Soluble in DMSO (40 mg/ml) or in Ethanol (5 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

Protein phosphatase inhibitor

Functions

A naturally occurring polyether marine toxin. Potent and selective inhibitor of protein phosphatases inhibiting PP2A completely at 1 nM and PP1 at higher concentrations, while PP2C is not inhibited. It is an extremely useful tool for studying cellular protein phosphorylation. Induces apoptosis in a variety of cell types. Activates atypical protein kinase isotypes and induces insulin-like effects in adipocytes. Caution: SKIN IRRITANT, TUMOR PROMOTOR. Avoid skin contact.

Application Procedures

First dissolved in DMSO (40 mg/ml) or in Ethanol (5 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

For research use only.