

## Okadaic acid, Protein phosphatase inhibitor

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

### Product Details

**Formal Name:** Isolated from marine dionflagellates

**Alternate Names:** NSC 677083

**Molecular Formula:** C<sub>44</sub>H<sub>68</sub>O<sub>13</sub>

**Formula Weight:** 805.00

**CAS Number:** 78111-17-8

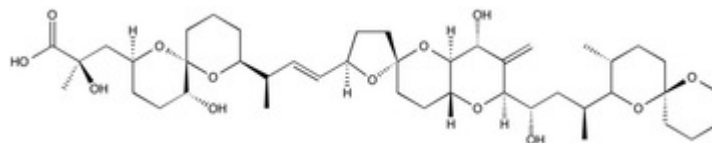
**Purity:** >98%

**Formulation:** Lyophilized

**Solubility:** Soluble in DMSO (up to 40 mg/ml) or in Ethanol (up to 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 contact.

### Application Procedures

First dissolved in DMSO (up to 40 mg/ml) or in Ethanol (up to 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.**