



Brevetoxin B (pbTx-2)

Cat. No. AF0100

Description

A polycyclic polyether, isolated from marine dinoflagellate *Karenia breve* (*Ptychodiscus brevis*, or *Gymnodinium breve* in earlier literatures) is one of the toxins responsible for the 'red tide' massive fish kills. This compound forms a ladder-like-arranged multiple ring structure with an unusual acrolein side-chain on one of the terminal rings. Together with other congeners, they are known to disrupt neurotransmission by opening sodium channels.

Form

White crystal solid

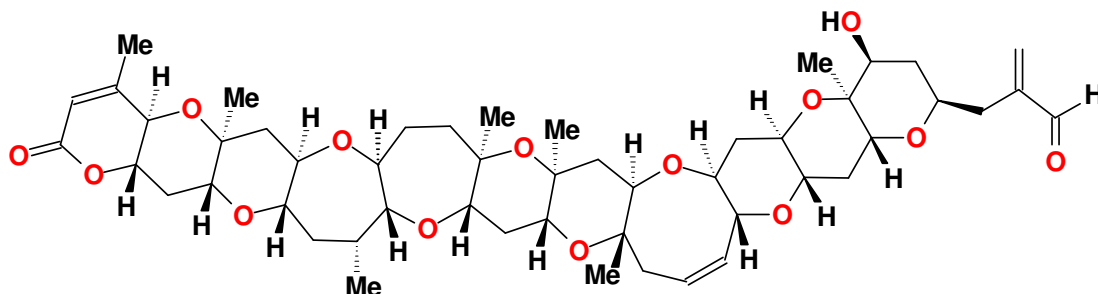
Molecular weight

895.1

Molecular formula

C₅₀H₇₀O₁₄

Structure



Purity

≥ 95% by HPLC

Solubility

MeOH, EtOH or DMSO

Storage

Stable in -25 °C for 2 year

Toxicity

LD₅₀: 0.15~0.27 mg/kg IP. to mice

Reference

Lewis, R. J., *Toxicon* 30, 207 (1992)

Gawley, R. E., et al., *Toxicon* 30, 780 (1992)

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.