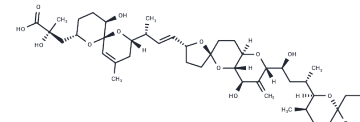


Okadaic acid

Chemical Properties

CAS No. :	78111-17-8
Formula:	C44H68O13
Molecular Weight:	805
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Okadaic acid is a non-competitive, selective and reversible serine/threonine-specific protein phosphatases 1 (PP1), PP2A, and PP3 inhibitor (IC50s: 10-15 nM, 0.5 nM, and 4 nM, respectively). Okadaic acid is extracted from black sponges of the genus Halichondria. Okadaic acid eliminates metazoan symbionts/parasites by apoptosis.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2422 mL	6.2112 mL	12.4224 mL
5 mM	0.2484 mL	1.2422 mL	2.4845 mL
10 mM	0.1242 mL	0.6211 mL	1.2422 mL
50 mM	0.0248 mL	0.1242 mL	0.2484 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Bialojan C, et al. Inhibitory effect of a marine-sponge toxin, okadaic acid, on protein phosphatases. Specificity and kinetics. *Biochem J.* 1988 Nov 15;256(1):283-90.

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