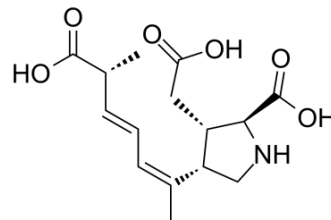


## Domoic acid

Cat. No.:	HY-N2310
CAS No.:	14277-97-5
Molecular Formula:	C <sub>15</sub> H <sub>21</sub> NO <sub>6</sub>
Molecular Weight:	311.33
Target:	iGluR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the COA.



### BIOLOGICAL ACTIVITY

#### Description

Domoic acid ((-)-Domoic acid; L-Domoic acid) is an excitatory neurotransmitter isolated from a form of marine vegetation, *Nitzschia pungens*<sup>[1]</sup>. Domoic acid produces neurotoxic effect through activating **kainate receptor**<sup>[2]</sup>.

### REFERENCES

- [1]. T M Perl, et al. An outbreak of toxic encephalopathy caused by eating mussels contaminated with domoic acid. *N Engl J Med.* 1990 Jun 21;322(25):1775-80.
- [2]. G Debonnel, et al. Domoic acid, the alleged "mussel toxin," might produce its neurotoxic effect through kainate receptor activation: an electrophysiological study in the dorsal hippocampus. *Can J Physiol Pharmacol.* 1989 Jan;67(1):29-33.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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