



Deltamethrin [KLH] (DAG119S)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Species	N/A
Conjugate	KLH
Applications	ELISA, LF
Format	Liquid
Concentration	Please refer to the vial label for the specific concentration.
Size	1 mg
Buffer	Supplied in PBS
Preservative	None
Storage	Short Term: 2-8°C. Long Term: -20°C. Avoid multiple freeze-thaw cycles.

BACKGROUND

Introduction	Deltamethrin is a type II pyrethroid insecticide and a modulator of voltage-gated sodium channels (Nav). It binds to Drosophila para Nav channels in a use-dependent manner following brief depolarizing prepulses and with increasing concentrations of 1 to 5 nM, indicating that it preferentially binds to the channel in the open state. It slowly activates Nav1.8 channels, delays inactivation by longer than 40 ms, and induces persistent tail currents for channels expressed in <i>X. laevis</i> oocytes. Deltamethrin decreases proliferation of MCF-7 cells and inhibits androgen receptor transactivation when used at concentrations of 10 and 20 μ M or greater, respectively. However, it is not cytotoxic to MCF-7 and CHO cells at concentrations of 25 and 100 μ M, respectively, and does not induce transactivation of the estrogen receptor.
Keywords	Deltamethrin; Decamethrin