Product Datasheet

λ-Cyhalothrin

Catalog No: #S08790

Package Size: #S08790-1 1 mL #S08790-2 100 mg

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	λ-Cyhalothrin
Other Names	depolarization;choreoatetosis;acaricide;neurotoxin;pyrethroid;salivation;Parasite;pesticide;Icon;Na channels;Na+ channels;Inhibitor;Insecticide;inhibit;Karate;lambda-Cyhalothrin;α-cyano;λ Cyhalothrin;λCyhalothrin;λ-Cyhalothrin;λ-ζ°—ζ° ζ°°θ• ι —;SodiumChannel;Sodium Channel
Calculated MW	449.85
Storage	Powder: -20°C for 3 years . In solvent: -80°C for 1 year . Shipping with blue ice.

Application Details

ε ε-• εΟ• :C23H19ClF3NO3Smile:C(=C(/C(F)(F)F)\Cl)\[C@@H]1[C@H](C(O[C@@H](C#N)C2=CC(OC3=CC=CC=C3)=CC=C2)=O)C1(C)CDMLε• ·:MFCD 02181175ηΙ—εΊ¦:99.94%ζΙΆθ§£εΊ¦:DMSO:60 mg/mL (133.38 mM)δ½ ε ζ´»ζ §:The effect of λ-Cyhalothrin (i.p.) on memory, movement activity, and co-ordination in mice exposed to bilateral clamping of the carotid arteries (BCCA) is investigated. Neither memory nor movement co-ordination are impaired by BCCA or λ-Cyhalothrin. Exploratory locomotor activity is markedly reduced in the BCCA/LCH group. Spontaneous movement activity is significantly reduced in the BCCA/λ-Cyhalothrin group . Exposure to λ-Cyhalothrin coexisting with BCCA decreases motor activity in the mice in 2 subsequent 30-min[1].δ½ ε ζ´»ζ §:The mechanism of λ-Cyhalothrin toxicity produces delay in sodium channel inactivation resulting in persistent depolarization of the nerve membrane. λ-Cyhalothrin produces membrane depolarization, calcium ion infl ux, and neurotransmitter release from rat brain synaptosomes[1]. λ-Cyhalothrin possesses estrogenic properties and is able to function as a xenoestrogen promoting human breast carcinoma cell proliferation in vitro[1].λ-Cyhalothrin has found multiple uses in pest (fleas, cockroaches, flies, and ants) control[1].λ-Cyhalothrin is highly effective against the malaria transmitting species of Anopheles[1].δΩ'ε• ·ι θ·—:η¦»ε-• ι ι• |ε´Υ η η ©ε-¦ι• Άη ΄Η:Sodium Channel|Parasite

Note: This product is for in vitro research use only and is not intended for use in humans or animals.