



LKT Laboratories, Inc.

Pyriproxyfen

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID P9767

CAS No. 95737-68-1

Chemical Name 2-[1-Methyl-2-(4-phenoxyphenoxy)ethoxy]pyridine

Synonym Sumilarv

Formula $C_{20}H_{19}NO_3$

Formula Wt. 321.37

Melting Point 45-47°C

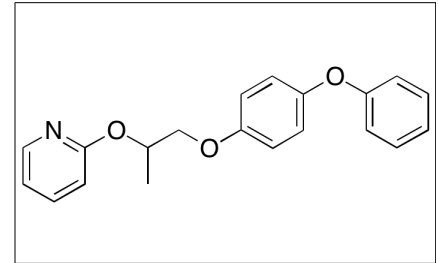
Purity $\geq 95\%$

Solubility Soluble in methanol.

Store Temp Ambient

Ship Temp Ambient

Description Pyriproxyfen is a juvenile hormone mimic insecticide that is used to inhibit the development or maturation of insects such as *Bemisia*. In *Daphnia*, pyriproxyfen mimics methyl farnesoate, causing overproduction of male offspring. Pyriproxyfen also exhibits immunostimulatory activity in vivo, increasing the IgG response and resulting in increased levels of IgG2a, TNF- α , and IFN- γ .



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
P9767	5 g	\$81.10
P9767	25 g	\$231.30
P9767	100 g	\$694.70

References Sharmin T, Satho T, Irie K, et al. Pyriproxyfen enhances the immunoglobulin G immune response in mice. *Microbiol Immunol.* 2013 Apr;57(4):316-22. PMID: 23586635.

Ishaaya I, Kontsedalov S, Horowitz AR. Biorational insecticides: mechanism and cross-resistance. *Arch Insect Biochem Physiol.* 2005 Apr;58(4):192-9. PMID: 15756702.

Olmstead AW, LeBlanc GA. Insecticidal juvenile hormone analogs stimulate the production of male offspring in the crustacean *Daphnia magna*. *Environ Health Perspect.* 2003 Jun;111(7):919-24. PMID: 12782492.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.