



LKT Laboratories, Inc.

Amitraz

Phone: 888-558-5227

651-644-8424

Fax: 888-558-7329

Email: getinfo@lktlabs.com

Web: lktlabs.com

Product Information

Product ID A5039

CAS No. 33089-61-1

Chemical Name N'-(2,4-Dimethylphenyl)-N-[[2,4-dimethylphenyl]imino]methyl]-N-methylmethanimidamide

Synonym Aludex, Mitaban, Mitac, Taktic, Topline

Formula C₁₉H₂₃N₃

Formula Wt. 293.41

Melting Point 86-87°C

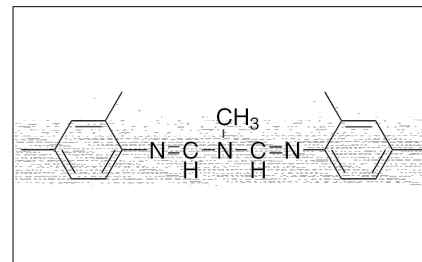
Purity ≥97%

Solubility Insoluble in water. Soluble in xylene and acetone.

Store Temp 4°C

Ship Temp Ambient

Description Amitraz is an agonist at α-adrenergic receptors that displays insecticide activity. Amitraz also inhibits monoamine oxidase (MAO) and synthesis of prostaglandins. Additionally, amitraz may act on octopamine receptors. Amitraz acts as an acaricide and is commonly used in veterinary prophylaxis against flea and tick infections. Amitraz may inhibit β-cell insulin release in mammals. TEST!!!!!!



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
A5039	5 g	\$67.40
A5039	25 g	\$149.90
A5039	100 g	\$449.50

References Chen AC, He H, Davey RB. Mutations in a putative octopamine receptor gene in amitraz-resistant cattle ticks. *Vet Parasitol.* 2007 Sep 30;148(3-4):379-83. PMID: 17662534.

Chen TH, Hsu WH. Inhibition of insulin release by a formamidine pesticide amitraz and its metabolites in a rat beta-cell line: an action mediated by alpha-2 adrenoceptors, a GTP-binding protein and a decrease in cyclic AMP. *J Pharmacol Exp Ther.* 1994 Dec;271(3):1240-5. PMID: 7527851.

Costa LG, Olibet G, Murphy SD. Alpha 2-adrenoceptors as a target for formamidine pesticides: in vitro and in vivo studies in mice. *Toxicol Appl Pharmacol.* 1988 Apr;93(2):319-28. PMID: 2833825.

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