

# Product Information

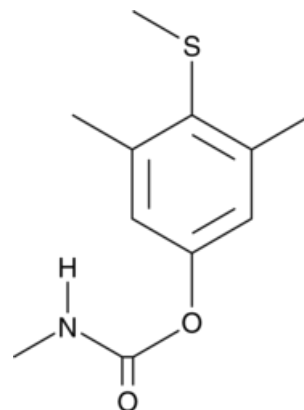


## Methiocarb

Cat No: 25627 - 50 mg

### General Data

Shipping:	dry ice
Formulation:	A crystalline solid
Purity:	≥98%



### Product Overview

Methiocarb is a carbamate pesticide with insecticidal, molluscicidal, acaricidal, and bird repellent properties. {43317,43318,43319,43320,43323} It inhibits acetylcholinesterase (AChE) activity and is toxic to the western flower thrip (*F. occidentalis*; IC<sub>50</sub> = 2.1 μM; LC<sub>50</sub> = 3.26 ppm). {43318} Methiocarb is also toxic to the land snail *M. obstructa* (LD<sub>50</sub> = 27.4 μg/snail) and the citrus mite *A. pelekassi*, inducing 94% mortality when used at a concentration of 0.5 ppm. {43317,43319} It reduces the seasonal percentages of cotton bolls infested with pink bollworm (*P. gossypiella*) to 4%, compared with 65% infestation in untreated controls, when applied to cotton fields at a concentration of 1.86 lb/acre. {43323} Methiocarb reduces damage to grapes by song birds when applied to vineyards at a concentration of 2.5 lbs AI per 100 gal water per acre. {43320} It is an estrogen receptor α (ERα) and ERβ agonist (EC<sub>20</sub>s = 19.87 and 20.24 μM, respectively) and an androgen receptor antagonist (IC<sub>50</sub> = 13.89 μM) in cell-based reporter assays. {43321} It is toxic to juvenile rainbow trout (*O. mykiss*) and guppies (*P. reticulata*) with LC<sub>50</sub> values of 0.8 and 1.48 mg/L, respectively, at 48 hours of exposure. {43322} Formulations containing methiocarb have been used in the agricultural control of pests.

FP/18/24

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