

## Buprofezin 95% TC

**CAS Number:** 69327-76-0

**Chemical name:**

2-[(1, 1-dimethylethyl)imino]tetrahydro-3-(1-methylethyl)-5-phenyl-4H-1, 3, 5-thiadiazin-4-one

**Molecular Formula:** C<sub>16</sub>H<sub>23</sub>N<sub>3</sub>O<sub>2</sub>S

**Appearance:** white crystals(tech., white or pale yellow crystalline powder)

**Melting point:** 104.5—105.5°C

**Vapor pressure:** 1.25mPa(25°C)

**Stability:** stable in acidic and alkaline media, stable to heat and light.

**Applications:**

Biochemistry: probable chitin synthesis and prostaglandin inhibitor.

Action: persistent insecticide and acaricide with contact and stomach action; not translocated in the plant. Inhibits molting of nymphs and larvae, leading to death.

Uses: Insecticide with persistent larvicidal action against Homoptera, some Coleoptera and also Acarina. Effective against Cicadellidae(whitefly) in citrus, cotton and vegetable; Coccidae, Diaspididae (scale insects) and Pseudococcide (mealy bugs) in Citrus.