

Product Data Sheet

Product Name: Fipronil sulfide

Cat. No.: GC79619

Chemical Properties

Cas. No. 120067-83-6

Formula $C_{12}H_4Cl_2F_6N_4S$

M.Wt 421.14

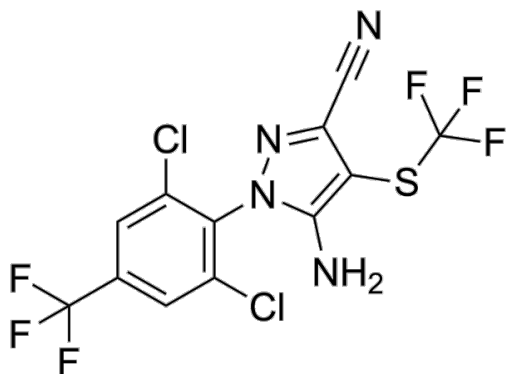
Solubility

Storage Store at 4°C, protect from light, stored under nitrogen

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Fipronil sulfide is a toxic, persistent metabolite of Fipronil. Fipronil is a broad-spectrum insecticide [1].

In Vitro, Fipronil sulfide is a secondary transformation product of Fipronil during TiO₂-mediated photocatalysis under UVA or solar radiation, and it undergoes further degradation to form (2,6-dichloro-4-trifluoromethyl-phenylazo)-acetonitrile [1].

References:

Caution: Product has not been fully validated for medical applications. For research use only.

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[1]. Singh NS, et al. A comprehensive review of environmental fate and degradation of fipronil and its toxic metabolites. Environ Res. 2021;199:111316.

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