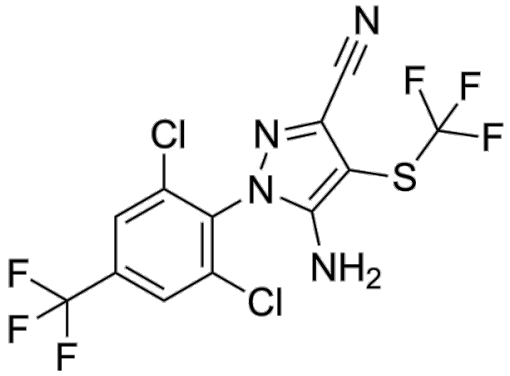
Product Data Sheet

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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