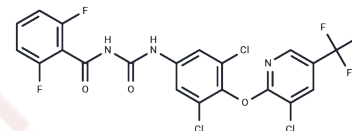


## Chlorfluazuron

## Chemical Properties

CAS No. :	71422-67-8
Formula:	C <sub>20</sub> H <sub>9</sub> Cl <sub>3</sub> F <sub>5</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	540.66
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Chlorfluazuron, a chitin synthesis inhibitor, is commonly used as an insect growth regulator for controlling the major insect pests in crops.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8496 mL	9.248 mL	18.4959 mL
5 mM	0.3699 mL	1.8496 mL	3.6992 mL
10 mM	0.185 mL	0.9248 mL	1.8496 mL
50 mM	0.037 mL	0.185 mL	0.3699 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

- Ganguly P, Barik SR, Patra S, Roy S, Bhattacharyya A. Persistence of chlorfluazuron in cabbage under different agro-climatic conditions of India and its risk assessment. *Environ Toxicol Chem.* 2017 Nov;36(11):3028-3033. doi: 10.1002/etc.3872. Epub 2017 Jul 17. PubMed PMID: 28574603.
- Cho S, Kim J, Lee S, Kim TH. Crystal structure of chlorfluazuron. *Acta Crystallogr E Crystallogr Commun.* 2015 Jan 1; 71(Pt 1):o55. doi: 10.1107/S2056989014026632. eCollection 2015 Jan 1. PubMed PMID: 25705506; PubMed Central PMCID: PMC4331875.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481