

Product Data Sheet

Product Name: Flufenoxuron

Cat. No.: GC62976

Chemical Properties

Cas. No. 101463-69-8

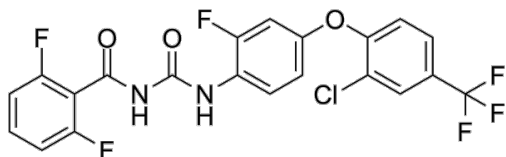
Formula $C_{21}H_{11}ClF_6N_2O_3$ M.Wt 488.77

Solubility DMSO : 250 mg/mL (511.49 mM; Need ultrasonic) Storage 4°C, protect from light

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

Flufenoxuron is a chitin synthesis inhibitor that is used as a benzoylurea insecticide. Flufenoxuron decreases chitin synthesis, molting, and egg hatching, preventing development in insects[1].

[1]. Sunwoo Park, et al. Toxic Effects of Flufenoxuron on Development and Vascular Formation During Zebrafish Embryogenesis. Aquat Toxicol. 2019 Nov;216:105307.

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

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