
Product Data Sheet

Product Name: Metaflumizone

Cat. No.: GC34665

Chemical Properties

Cas. No. 139968-49-3

SMILES FC(F)(F)C1=CC(/C(CC2=CC=C(C=C2)C#N)=N\NC(NC3=CC=C(C=C3)OC(F)(F)F)=O)=CC=C1Formula C₂₄H₁₆F₆N₄O₂ M.Wt 506.4

Solubility DMSO : 300 mg/mL (592.42 mM); Water : < 0.1 mg/mL (insoluble) Storage Store at -20°C

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**

Metaflumizone is a semicarbazone insecticide, acts as a potent sodium channel blocker[1]. Sodium channel[1]

Metaflumizone (10 μM) completely inhibits the Para/TipE sodium currents in Xenopus oocytes[1].

[1]. Salgado VL, et al. Metaflumizone is a novel sodium channel blocker insecticide. Vet Parasitol. 2007 Dec 15;150(3):182-9. Epub 2007 Oct 23.

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

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