

Product Data Sheet

Product Name: flumioxazin

Cat. No.: GD12831

Chemical Properties

Cas. No. 103361-09-7

Formula C₁₉H₁₅FN₂O₄ M.Wt 354.33

Solubility DMSO : 100 mg/mL (282.22 mM; Storage
Need ultrasonic)

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

Flumioxazin (Sumisoya) is an herbicide for use in soybean and peanut. Flumioxazin inhibits the enzyme protoporphyrinogen oxidase. Flumioxazin is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

[1]. Ferrell JA, et al. Flumioxazin soil persistence and mineralization in laboratory experiments. J Agric Food Chem. 2003;51(16):4719-4721.

[2]. W. J. Grichar, et al. Peanut Cultivar Response to Flumioxazin Applied Preemergence and Imazapic Applied Postemergence. Research Article. Volume 2013

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

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