
Product Data Sheet

Product Name: Haloxyfop

Cat. No.: GC64300

Chemical Properties

Cas. No. 69806-34-4

Formula C₁₅H₁₁ClF₃NO₄

M.Wt 361.7

Solubility DMSO : 100 mg/mL (276.47 mM; Need ultrasonic) 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**

Haloxyfop is an aryloxyphenoxypropionic acid herbicide and is widely used in grass weeds in broad-leaf crops[2]. Haloxyfop inhibits the acetyl coenzyme A carboxylase (EC 6.4.1.2) from corn seedling chloroplasts with an IC₅₀ of 0.5 μM, but has no effect on this enzyme in pea[2].

[1]. Urairat Koesukwiwat, et al. Method Development and Validation for Total Haloxyfop Analysis in Infant Formulas and Related Ingredient Matrices Using Liquid Chromatography-Tandem Mass Spectrometry. Anal Bioanal Chem

[2]. J D Burton, et al. Inhibition of Plant Acetyl-Coenzyme A Carboxylase by the Herbicides Sethoxydim and Haloxyfop. Biochem Biophys Res Commun

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

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