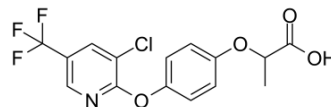


Haloxyfop

Cat. No.:	HY-B1856
CAS No.:	69806-34-4
Molecular Formula:	C ₁₅ H ₁₁ ClF ₃ NO ₄
Molecular Weight:	361.7
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description 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].

IC₅₀ & Target IC50: 0.5 μM (acetyl coenzyme A carboxylase (EC 6.4.1.2))^[2]

REFERENCES

[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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