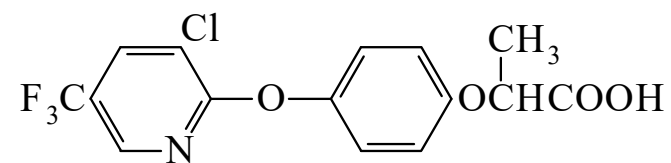




>>Entry Name: **Haloxyfop**, ANSI, BSI, WSSA

Synonym(s): 2-[4-[[3-Chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoic acid, 9Cl



CAS Registry Number: 69806-34-4

Related CAS Registry Numbers(s): 95905-78-5 95977-27-8 95977-29-0

Molecular Formula: C₁₅H₁₁ClF₃NO₄

Molecular Weight: 361.704

Accurate Mass: 361.03287

Percentage Composition: C 49.81%; H 3.07%; Cl 9.80%; F 15.76%; N 3.87%; O 17.69%

>>Variant: (±)-form

Molecular Formula: C₁₅H₁₁ClF₃NO₄

Molecular Weight: 361.704

Accurate Mass: 361.03287

Percentage Composition: C 49.81%; H 3.07%; Cl 9.80%; F 15.76%; N 3.87%; O 17.69%

Use/Importance: Herbicide. Fatty acid synth. inhibitor

Physical Description: Cryst.

Melting Point: Mp 107-108°

pKa Value: pK_a 4.33

>>Derivative: Me ester

Synonym(s): **Haloxyfop-methyl**

CAS Registry Number: 69806-40-2

Molecular Formula: C₁₆H₁₃ClF₃NO₄

Molecular Weight: 375.731

Accurate Mass: 375.04852

Percentage Composition: C 51.15%; H 3.49%; Cl 9.44%; F 15.17%; N 3.73%; O 17.03%

Physical Description: Cryst.

Melting Point: Mp 55-57°

Other Data: (R)-form available as Eloge

>>Derivative: 2-Ethoxyethyl ester

Synonym(s): **Haloxyfop-etotyl**

CAS Registry Number: 87237-48-7

Molecular Formula: C₁₉H₁₉ClF₃NO₅

Molecular Weight: 433.811

Accurate Mass: 433.090385

Percentage Composition: C 52.61%; H 4.41%; Cl 8.17%; F 13.14%; N 3.23%; O 18.44%

Physical Description: Cryst.

Melting Point: Mp 56-58°

Hazard & Toxicity: LD₅₀ (rat, orl) 518 mg/kg

References:

- U.K. Pat., 1979, 2 002 368; CA, **92**, 581618y, (synth, activity)
Buhler, D.D. et al., Weed Sci., 1984, **32**, 824, (activity)
Hendley, P. et al., Weed Sci., 1985, **33**, 11, (metab, activity)
Kobek, K. et al., Z. Naturforsch., C, 1988, **43**, 47, (activity)
Bartels, M.J. et al., Drug Metab. Dispos., 1989, **17**, 286, (metab, tox)
Pesticide Manual, 9th edn., 1991, No. 7010