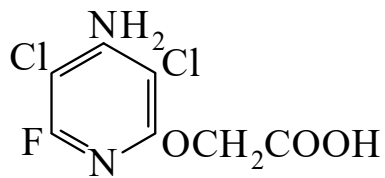




>>Entry Name: Fluroxypyr, BSI, ISO

Synonym(s): [(4-Amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy]acetic acid, 9Cl



CAS Registry Number: 69377-81-7

Related CAS Registry Numbers(s): 69184-16-3 69184-17-4

Molecular Formula: C₇H₅Cl₂FN₂O₃

Molecular Weight: 255.032

Accurate Mass: 253.966125

Percentage Composition: C 32.97%; H 1.98%; Cl 27.80%; F 7.45%; N 10.98%; O 18.82%

Use/Importance: Herbicide. Auxin type

>>Derivative: 1-Methylheptyl ester

Synonym(s): Fluroxypyr-meptyl

CAS Registry Number: 81406-37-3

Molecular Formula: C₁₅H₂₁Cl₂FN₂O₃

Molecular Weight: 367.246

Accurate Mass: 366.091325

Percentage Composition: C 49.06%; H 5.76%; Cl 19.31%; F 5.17%; N 7.63%; O 13.07%

Use/Importance: Herbicide

Physical Description: Cryst.

Melting Point: Mp 56-57°

Hazard & Toxicity: LD₅₀ (rat, orl) >5000 mg/kg

References:

- U.S. Pat., 1978, 4 110 104; CA, **90**, 103848v, (synth, activity)
Trozelli, H., *Weeds Weed Control*, 27th, 1986, **1**, 65, (activity)
Sanders, G.E. *et al.*, *Weed Res.*, 1987, **27**, 159, (metab)
Eur. Pat., 1991, 441 457; CA, **115**, 207866a, (synth)
Pesticide Manual, 9th edn., 1991, No. 6650