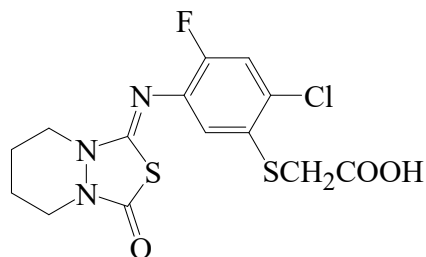




>>Entry Name: Fluthiacet

Synonym(s): [[2-Chloro-4-fluoro-5-[(tetrahydro-3-oxo-1*H*,3*H*-[1,3,4]thiadiazolo[3,4-*a*]pyridazin-1-ylidene)amino]phenyl]thio]acetic acid, 9Cl



CAS Registry Number: 149253-65-6

Molecular Formula: C₁₄H₁₃ClFN₃O₃S₂

Molecular Weight: 389.858

Accurate Mass: 389.007087

Percentage Composition: C 43.13%; H 3.36%; Cl 9.09%; F 4.87%; N 10.78%; O 12.31%; S 16.45%

>>Derivative: Me ester

Synonym(s): Fluthiacet-methyl, BSI. Action. CGA 248757. KIH-9201

CAS Registry Number: 117337-19-6

Molecular Formula: C₁₅H₁₅ClFN₃O₃S₂

Molecular Weight: 403.885

Accurate Mass: 403.022737

Percentage Composition: C 44.61%; H 3.74%; Cl 8.78%; F 4.70%; N 10.40%; O 11.88%; S 15.88%

Biological Use/Importance: Protoporphyrinogen oxidase inhibitor. Post-emergence herbicide for control of broad-leaved leaves

Physical Description: Powder

Melting Point: Mp 105-107°

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

References:

Eur. Pat., 1988, *Kumiai*, 273 417; *CA*, **109**, 211069m, (*Fluthiacet-methyl, synth, activity*)

Sato, Y. *et al.*, *Z. Naturforsch., C*, 1994, **49**, 49-56, (*Fluthiacet-methyl, synth*)

Shimizu, T. *et al.*, *Plant Cell Physiol.*, 1995, **36**, 625-632, (*Fluthiacet-methyl, activity*)

Pesticide Manual, 12th edn., 2000, No. 385