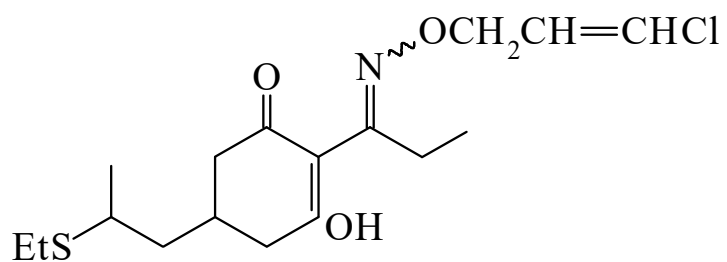




>>Entry Name: Clethodim, ANSI, BSI, ISO

Synonym(s): 2-[1-[[[3-Chloro-2-propenyl)oxy]imino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one, 9Cl. [[3-Chloroallyloxyimino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one



CAS Registry Number: 99129-21-2

Related CAS Registry Numbers(s): 104320-36-7

Molecular Formula: C₁₇H₂₆ClNO₃S

Molecular Weight: 359.916

Accurate Mass: 359.132191

Percentage Composition: C 56.73%; H 7.28%; Cl 9.85%; N 3.89%; O 13.34%; S 8.91%

General Statement: Potentially tautomeric. Enolised β-diketone form shown

Use/Importance: Herbicide

Physical Description: Liq.

Density: d₂₀²⁰ 1.15

Hazard & Toxicity: LD₅₀ (rat, orl) 1360 mg/kg

References:

Belg. Pat., 1986, 903 349; CA, **105**, 129472w, (synth, activity)

Focke, M. *et al.*, Z. Naturforsch., C, 1987, **42**, 1361, (activity)

Rendina, A.R. *et al.*, J. Agric. Food Chem., 1990, **38**, 1282, (activity)

Pesticide Manual, 9th edn., 1991, 175