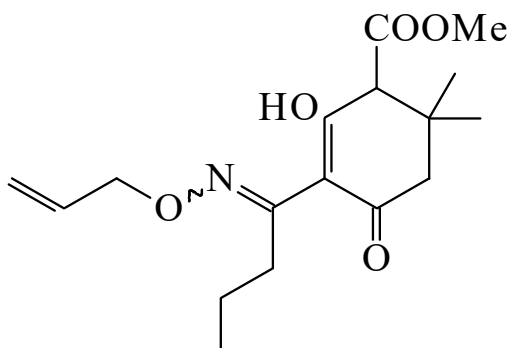




>>Entry Name: Alloxydim, BSI, ISO

Synonym(s): Methyl 2,2-dimethyl-4,6-dioxo-5-[1-[(2-propenyloxy)amino]butylidene]cyclohexanecarboxylate, 9CI. Methyl 3-[1-(allyloxyimino)butyl]-4-hydroxy-6,6-dimethyl-2-oxo-3-cyclohexenecarboxylate. NP 48. Zizalon. Carbodimedon



CAS Registry Number: 55634-91-8

Related CAS Registry Numbers(s): 66003-55-2

Molecular Formula: C₁₇H₂₅NO₅

Molecular Weight: 323.388

Accurate Mass: 323.173274

Percentage Composition: C 63.14%; H 7.79%; N 4.33%; O 24.74%

Use/Importance: Selective postemergent herbicide, used as Na salt

>>Derivative: Na salt

Synonym(s): Alloxydim-sodium, BSI, ISO. Kusagard

CAS Registry Number: 55635-13-7

Physical Description: Cryst. solid

Melting Point: Mp 185.5 dec.°

Solubility: V. sol. H₂O, MeOH, sol. EtOH, sl. sol. Me₂CO, xylene

Hazard & Toxicity: LD₅₀ (rat, orl) 2322 mg/kg

References:

Japan. Pat., 1977, 77 95 636; CA, **88**, 50378s

Murayama, T., *Jpn. Pestic. Inf.*, 1978, **35**, 24, (rev)

Pesticide Manual, 9th edn., 1991, No. 150

Agrochemicals Handbook, 3rd edn., Royal Society of Chemistry, 1992, A10