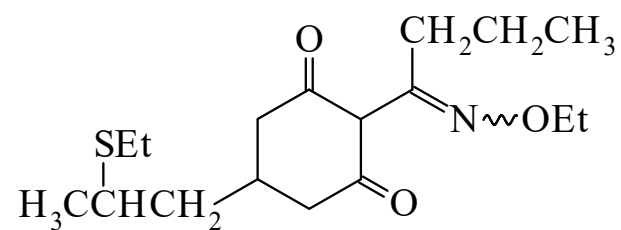




>>Entry Name: Sethoxydim, BSI, ISO

Synonym(s): 2-[1-(Ethoxyimino)butyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one, 9CI. 2-[1-(Ethoxyamino)butylidene]-5-[2-(ethylthio)propyl]-1,3-cyclohexanedione. Nabu. Poast. Fernival. NP 55



CAS Registry Number: 74051-80-2

Related CAS Registry Numbers(s): 71441-80-0

Molecular Formula: C₁₇H₂₉NO₃S

Molecular Weight: 327.487

Accurate Mass: 327.186814

Percentage Composition: C 62.35%; H 8.93%; N 4.28%; O 14.66%; S 9.79%

Use/Importance: Herbicide. Mitosis inhibitor

Physical Description: Liq.

Boiling Point: Bp_{0.00003} 90°

Density: d²⁵ 1.043

Hazard & Toxicity: LD₅₀ (rat, orl) 3200 mg/kg

References:

Ger. Pat., 1978, 2 822 304; *CA*, **91**, 157346u, (*synth, activity*)

Jpn. Pestic. Inf., 1982, **41**, 18, (*activity, props, use*)

Ishikawa, H. *et al.*, *Nippon Noyaku Gakkaishi*, 1985, **10**, 301, (*rev, synth, activity*)

Campbell, J.R. *et al.*, *Weed Sci.*, 1985, **33**, 771, (*metab*)

Pesticide Manual, 9th edn., 1991, No. 10710