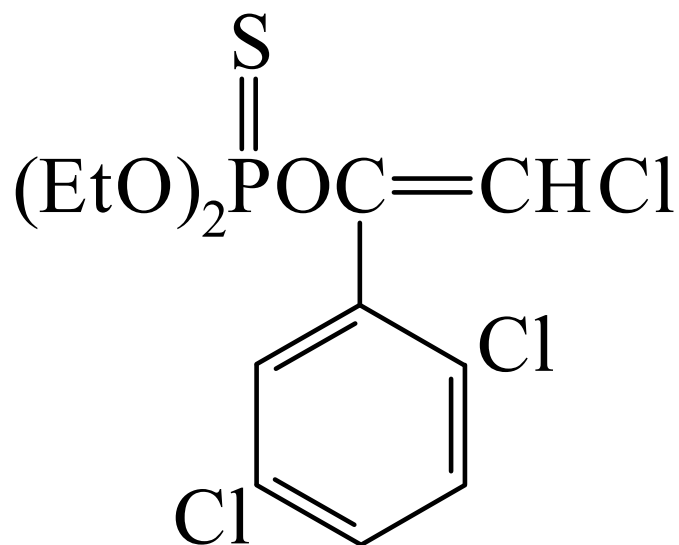




>>Entry Name: Akton

Synonym(s): *O*-[2-Chloro-1-(2,5-dichlorophenyl)ethenyl] *O,O*-diethyl phosphorothioate, 9Cl. *O*-[2-Chloro-1-(2,5-dichlorophenyl)vinyl] *O,O*-diethyl phosphorothioate



CAS Registry Number: 1757-18-2

Molecular Formula: C₁₂H₁₄Cl₃O₃PS

Molecular Weight: 375.639

Accurate Mass: 373.946683

Percentage Composition: C 38.37%; H 3.76%; Cl 28.31%; O 12.78%; P 8.25%; S 8.54%

Use/Importance: Insecticide. Now superseded

Physical Description: Cryst.

Melting Point: Mp 27.5-28.5°

References:

U.S. Pat., 1965, 3 174 990; *CA*, **62**, 16123h, (*synth, activity*)

Ger. Pat., 1969, 1 903 356; *CA*, **72**, 3564j, (*syth*)

Beckmann, H. *et al.*, *J. Assoc. Off. Anal. Chem.*, 1969, **52**, 286, (*detn*)

Zwierzak, A. *et al.*, *Pr. Inst. Przem. Org.*, 1970, **2**, 101; 139; *CA*, **78**, 25352q; 57912p, (*synth, activity*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, DIX600