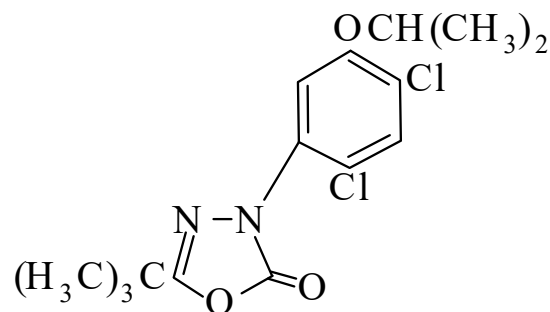




>>Entry Name: Oxadiazon, ANSI, BSI, ISO, JMAF, WSSA

Synonym(s): 3-[2,4-Dichloro-5-(1-methylethoxy)phenyl]-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2(3*H*)-one, 9Cl. 5-*tert*-Butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-oxadiazol-2-one. Ronstar



CAS Registry Number: 19666-30-9

Molecular Formula: C₁₅H₁₈Cl₂N₂O₃

Molecular Weight: 345.224

Accurate Mass: 344.069447

Percentage Composition: C 52.19%; H 5.26%; Cl 20.54%; N 8.11%; O 13.90%

Use/Importance: Selective herbicide

Physical Description: Cryst. (EtOH)

Melting Point: Mp 90 approx.°

Solubility: V. spar. sol. H₂O, sol. EtOH, MeOH. v. sol. C₆H₆, CHCl₃

Hazard & Toxicity: LD₅₀ (rat, orl) 3500 mg/kg

Supelco: R42-7540

References:

U.K. Pat., 1965, 1 110 500; *CA*, **69**, 52143t

Kawamura, Y., *Nippon Noyaku Gakkaishi*, 1982, **7**, 62, (*rev, activity*)

Suprock, J.F. *et al.*, *J. Assoc. Off. Anal. Chem.*, 1989, **70**, 1014, (*glc*)

Pesticide Manual, 9th edn., 1991, No. 9170

Agrochemicals Handbook, 3rd edn., Royal Society of Chemistry, 1992, A306