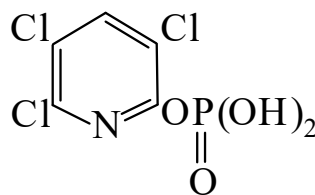




>>Entry Name: (3,5,6-Trichloro-2-pyridinyl)phosphonic acid, 9Cl, 8Cl



Molecular Formula: C₅H₃Cl₃NO₄P

Molecular Weight: 278.415

Accurate Mass: 276.886527

Percentage Composition: C 21.57%; H 1.09%; Cl 38.20%; N 5.03%; O 22.99%; P 11.13%

>>Derivative: Di-Me ester

Synonym(s): Fospirate, ANSI, BSI, INN, ISO, USAN. Torelle. Dowco 217. Methyl chlorpyrifos oxon

CAS Registry Number: 5598-52-7

Molecular Formula: C₇H₇Cl₃NO₄P

Molecular Weight: 306.468

Accurate Mass: 304.917827

Percentage Composition: C 27.43%; H 2.30%; Cl 34.70%; N 4.57%; O 20.88%; P 10.11%

Source/Synthesis: Oxidn. product from Chlorpyrifos [HHB89-F](#)

Use/Importance: Veterinary anthelmintic. Now superseded

Physical Description: Cryst. (petrol)

Melting Point: Mp 86.5-88°

Hazard & Toxicity: LD₅₀ (rat, orl) 869 mg/kg

>>Derivative: Di-Et ester

Synonym(s): Fospirate ethyl

CAS Registry Number: 5598-15-2

Molecular Formula: C₉H₁₁Cl₃NO₄P

Molecular Weight: 334.522

Accurate Mass: 332.949127

Percentage Composition: C 32.31%; H 3.31%; Cl 31.79%; N 4.19%; O 19.13%; P 9.26%

Use/Importance: Insecticide. Metab. of Chlorpyrifos [HHB89-F](#)

Physical Description: Cryst.

Melting Point: Mp 42-44°

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Whitney, W.K. *et al.*, *J. Econ. Entomol.*, 1969, **62**, 567, (*use*)

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