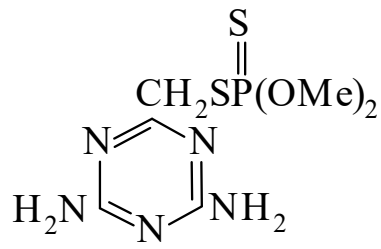
>>**Entry Name: Menazon,** BSI

Synonym(s): *S*-[(4,6-Diamino-1,3,5-triazin-2-yl)methyl] *O,O'*-dimethyl phosphorodithioate, 9CI. *S*-[(4,6-Diamino-*sym*-triazin-2-yl)methyl] *O,O'*-dimethyl dithiophosphate. Sayfos. PP 175. Saphicol. Azadithion



CAS Registry Number: 78-57-9

Molecular Formula: $C_6H_{12}N_5O_2PS_2$
Molecular Weight: 281.299
Accurate Mass: 281.017002
Percentage Composition: C 25.62%; H 4.30%; N 24.90%; O 11.38%; P 11.01%; S 22.80%
Use/Importance: Pesticide; cholinesterase inhibitor. Systemic aphicide, now superseded
Physical Description: Cryst. (MeOH)
Melting Point: Mp 160°
Solubility: Spar. sol. H_2O; most org. solvs., sol. THF; 2-methoxyethanol
Other Data: Dec. in aq. acid soln.
Hazard & Toxicity: LD_{50} (rat, orl) 890 mg/kg

References:

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Calderbank, A.*, J.C.S.(C)*, 1966, 56, *(synth)*
Krijgsman, W. *et al.*, *J. Chromatogr.*, 1976, **117**, 201, *(glc)*
Pesticide Manual, 6th edn., 1979, 331
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