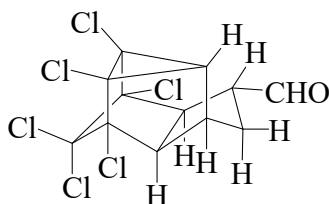




>>Entry Name: 2,2a,3,3,4,7-Hexachlorodecahydro-1,2,4-methenocyclopenta[cd]pentalene-5-carboxaldehyde

Synonym(s): 4,5,6,7,8,8-Hexachlorohexahydro-4,7-methano-3,5,6-methenoindan-1-carboxaldehyde. Endrin aldehyde



CAS Registry Number: 7421-93-4

Extra CAS Registry Numbers(s): 77287-19-5

Molecular Formula: C₁₂H₈Cl₆O

Molecular Weight: 380.911

Accurate Mass: 377.870627

Percentage Composition: C 37.84%; H 2.12%; Cl 55.84%; O 4.20%

Metabolism: Metabolite of Endrin [CTT64-J](#)

Physical Description: Solid (impure)

Melting Point: Mp 145-153° (dec.)

>>Derivative: 2,4-Dinitrophenylhydrazone

Physical Description: Yellow cryst.

Melting Point: Mp 222-225° (dec.)

>>Derivative: Semicarbazone

Physical Description: Cryst.

Melting Point: Mp 230°

>>Derivative: Carboxylic acid

Synonym(s): 4,5,6,7,8,8-Hexachlorohexahydro-4,7-methano-3,5,6-methenoindan-1-carboxylic acid

Molecular Formula: C₁₂H₈Cl₆O₂

Molecular Weight: 396.91

Accurate Mass: 393.865542

Percentage Composition: C 36.31%; H 2.03%; Cl 53.59%; O 8.06%

Physical Description: Cryst.

Melting Point: Mp 204-206° (dec.)

References:

- Phillips, D.D. *et al.*, *J. Agric. Food Chem.*, 1962, **10**, 217-221, (*synth, ir, derivs*)
Bowman, M.C. *et al.*, *J. Assoc. Off. Agric. Chem.*, 1965, **48**, 943-952, (*chromatog*)
Rosen, J.D. *et al.*, *Bull. Environ. Contam. Toxicol.*, 1966, **1**, 133-140; *CA*, **65**, 17628g
Bird, C.W. *et al.*, *Chem. Ind. (London)*, 1978, 231-232, (*ir, struct*)