



>>(Acetato-O)phenylmercury, 9CI

Phenylmercuric acetate, USAN. Acetoxyphenylmercury. Acetoxymmercuribenzene. Maysan. Ceresol. Anticon. Contracept. Gynophen. Senomen  
FTL11-K

[62-38-4]

Classification:BA0295 BA0407 BA0550 BA0560 BA0580 BA0610 BB0332 BB0350 BB0370 BB0390  
BB0710 PS8120 XA1150 XA1550 XA2200 XA3250 XA4140

PhHgOAc

C<sub>8</sub>H<sub>8</sub>HgO<sub>2</sub> M 336.74. 338.023047. C 28.53%; H 2.39%; Hg 59.57%; O 9.50%

Bactericide, fungicide, algicide, disinfectant, spermicide, etc. Pharmaceutical excipient (preservative).

Reference material used in elemental microanalysis. Adds to dienes in presence of catalytic Pd(OAc)<sub>2</sub> or stoichiometric Pd(OAc)<sub>4</sub>; undergoes Heck reaction, stoichiometric in presence of Pd(OAc)<sub>2</sub> and catalytic in presence of Pd and Cu salts; substitutes allyl halides in presence of LiPdCl<sub>3</sub>; homocouples to biphenyl in presence of PdCl<sub>2</sub>/Py; reacts with CO/MeOH in presence of Wilkinson's catalyst; couples with phenylethyne in presence of Pd<sup>II</sup> → PhC≡CPh; reacts with NOCl or NOBr → PhNO. Needles (H<sub>2</sub>O) or lustrous cryst.. Mp 146-147° (152°).

♦ Highly toxic orally; LD<sub>50</sub> (rat, orl) 22 mg/kg. OV6475000.

Supplier: Aldrich:P2712-7. Fluka:79120. Sigma:P5554

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Kretchmer, R.A. *et al.*, *J.O.C.*, 1976, **41**, 2661, (*homocoupling*)

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