

Synthesis and In Vivo Antitumor Evaluation of 2-Methoxyestradiol 3-Phosphate, 17-Phosphate, and 3,17-Diphosphate

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Contents: Elemental analyses of compounds **2**, **3**, and **5-9**.

Elemental Analyses

2-Methoxy- β -estradiol-3-phosphoric Acid Dibenzyl Ester (2). Anal. Calcd for $C_{33}H_{39}O_6P$: C, 70.45; H, 6.99. Found: C, 70.06; H, 7.13.

2-Methoxy- β -estradiol 3-Phosphate Monosodium Salt (3). Anal. Calcd for $C_{19}H_{27}O_6 \cdot Na \cdot 1.6H_2O$: C, 52.67; H, 6.74. Found: C, 52.44; H, 6.72.

3-Benzyloxy-2-methoxy- β -estradiol-17-phosphoric Acid Diethyl Ester (5). Anal. Calcd for $C_{30}H_{41}O_6P$: C, 68.16; H, 7.82. Found: C, 67.85; H, 7.79.

2-Methoxy- β -estradiol-17-phosphoric Acid Diethyl Ester (6). Anal. Calcd for $C_{23}H_{35}O_6P \cdot 0.05 CHCl_3$: C, 62.29; H, 7.95. Found: C, 62.38; H, 7.56.

2-Methoxyestradiol-17-*O*-phosphate (7). Anal. Calcd for $C_{19}H_{27}O_6P$: C, 60.07; H, 7.12. Found: C, 60.07; H, 7.50.

2-Methoxy- β -estradiol-3,17-diphosphoric Acid Diethyl Ester (8). Anal. Calcd for $C_{27}H_{44}O_9P_2$: C, 56.44; H, 7.72. Found: C, 56.38; H, 7.51.

2-Methoxyestradiol-3,17 *O,O*-Diphosphate (9). Anal. Calcd for $C_{19}H_{28}O_9P_2 \cdot 1.52 H_2O$: C, 46.60; H, 6.38. Found: C, 46.20; H, 6.12.