

Synthesis and anti cancer activities of novel pyrimidine -2-thione derivatives from benzosuberones

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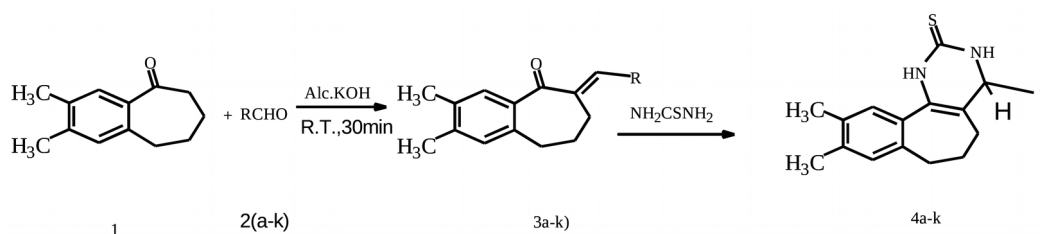
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Abstract:

A series of pyrimidine-2-thione derivatives were newly synthesized starting from 2, 3-dimethyl 6, 7, 8, 9-tetrahydro-5-H-benzo cyclohepten-5-one **1**. The anti tumor activity of the synthesized compounds was evaluated against 5 human tumor cell lines. Some of the tested compounds are shown better anti cancer activity against HeLa (human tumor cell). Additionally some more compounds are showing good to moderate activity against MCF7 (human breast adenocarcinoma cell lines).

Keywords: Benzosuberones, Arylidene derivatives, Pyrimidine -2- thiones, Anti cancer activity, Human tumor cell.



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