

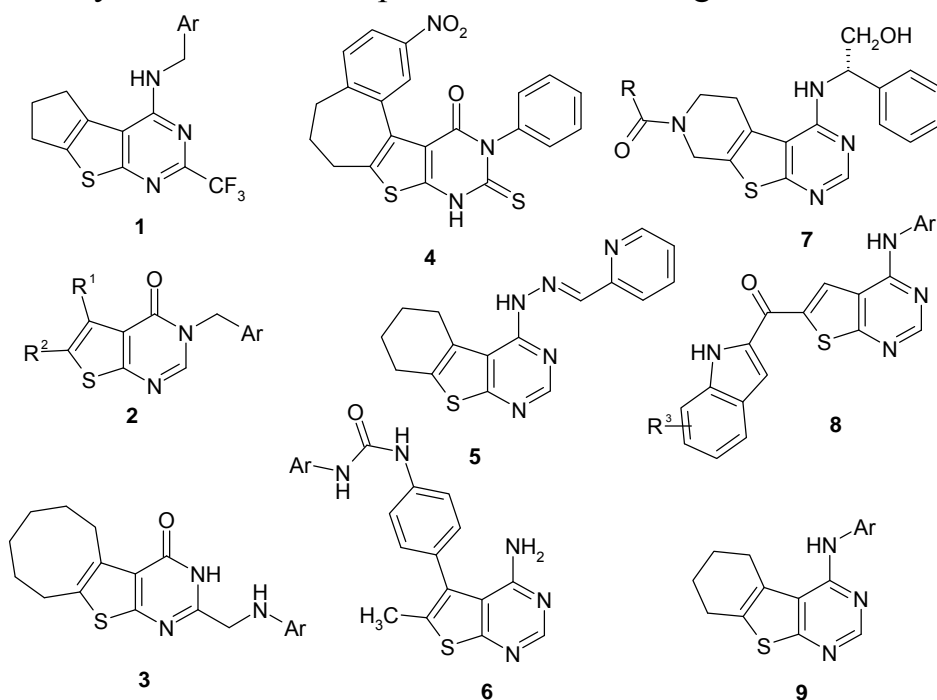
ANTICANCER ACTIVITY OF THIENO[2,3-d]PYRIMIDINES

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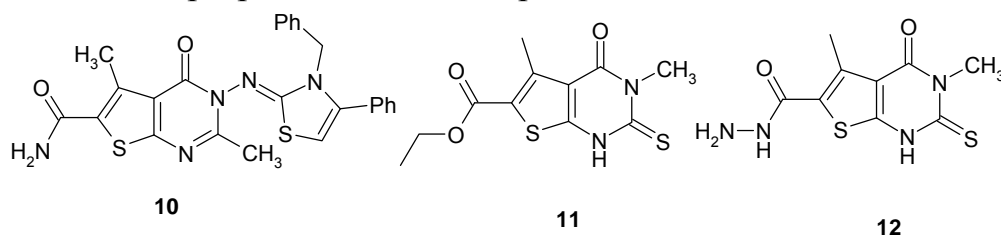
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The derivatives of thieno[2,3-d]pyrimidine during the last decade were extensively studied as anticancer agents by many groups of scientists from all the world. Many of the compounds with similar structures were found to be active against the liver and breast cancer; some of them were active against adenocarcinoma **1,2**. Also thieno[2,3-d]pyrimidines were reported as the antitumor agents against colon cancer **3**, and the compounds of the wide range of anticancer activity **4,5**. Some the derivatives of thieno[2,3-d]pyrimidines are known to be tyrosine-kinase inhibitors, which may be considered as potent anticancer drugs **6-9**.



The anticancer activity study for the amides and esters of 5-methyl-4-oxo-3,4-dihydrothieno[2,3-d]pyrimidine-6-carboxylic acid, performed in last decade displayed the anticancer properties for the compounds of these series **10-12**.



Analysis of the information of about anticancer activity of thieno[2,3-d]pyrimidines showed that they might be used as medicines against this dangerous disease.