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(57) Abstract :

ABSTRACT Novel benzylidene-isophorone hybrids relates to the synthesis of benzylidene-isophorone hybrid derivative compounds 1, 2, and 3 and their anticancer activity on MDA-MB 231 human cancer cell line. The derivative compound from Benzylideneisophorone-dichlorophenyl chalcone hybrid named as of 3-(2,6 dichlorostyryl)-5,5-dimethylcyclohex-2-enone (compound 1), the derivative compound Benzylideneisophorone-2,5-dimethoxyphenyl chalcone hybrid named as 3-(2,5 dimethoxystyryl)-5,5-dimethylcyclohex-2-enone (compound 2) and the derivative compound Benzylideneisophorone-2,3-dimethoxyphenyl chalcone hybrid named as 3-(2,3 dimethoxystyryl)-5,5-dimethylcyclohex-2-enone (compound 3).

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