

ASMC
KIEV 09

International Symposium on
**Advances in Synthetic
and Medicinal Chemistry**

Organized by



CHEMBRIDGE CORPORATION



EFMC
European Federation
for Medicinal Chemistry

August 23 - 27, 2009
Kiev, Ukraine

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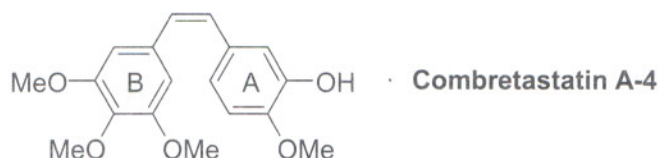
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SYNTHESIS OF NEW COMPOUNDS WITH POTENTIAL BIOLOGICAL ACTIVITY CONTAINING METHOXYPHENYL-GROUPS

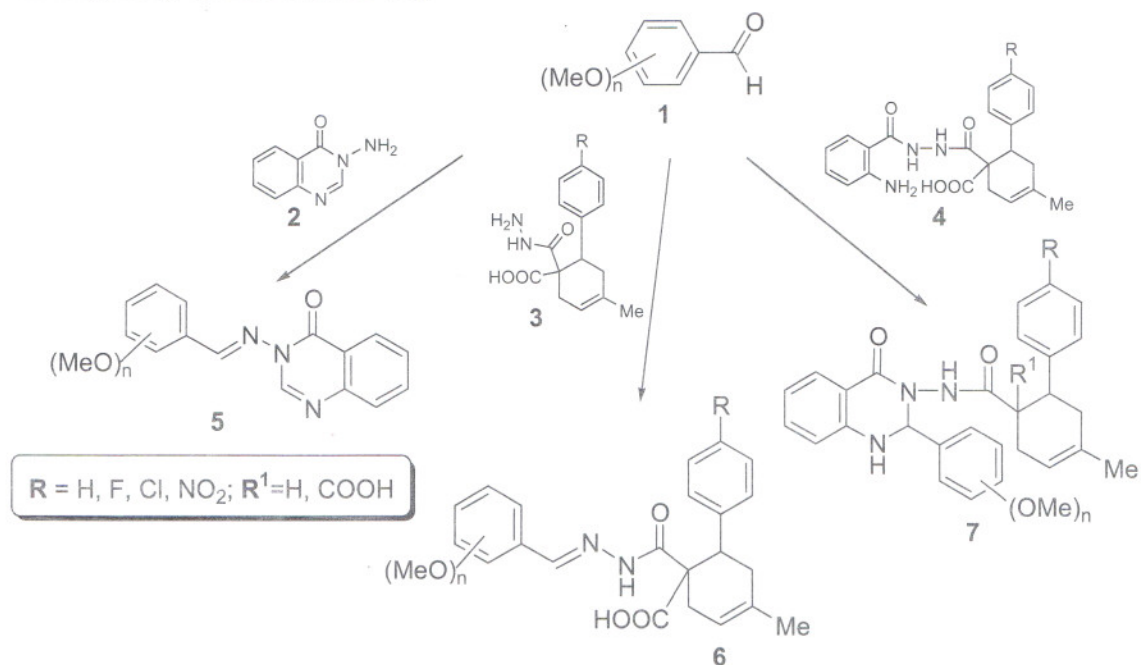
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Combretastatins are a kind of pharmaceutically active compounds isolated from South African tree *Combretum Caffrum*. Among them combretastatin A-4 was found to show most efficient anticancer activities.



In recent years the leading tendency in searching for new active anticancer agents in combretastatin A-4 family is modification of its molecule by *cis*-olefine bridge replacing with heterocyclic motifs. During continuation of our researches aimed on the use of quinazolinones in the synthesis of compounds with potential pharmacological and biological activity, we have virtually transformed the molecule of combretastatin A-4 by replacing the A-ring with aminoquinazolinone and changing number and places of methoxyphenyl-groups in the B-ring.



Compounds **5** were obtained by treatment of quinazolinone **2** with aldehydes **1**.

Aiming at new compounds with numerous activities and therapeutic applications we have also carried out the syntheses of aldehydes **1** with compounds **3** and **4**.