

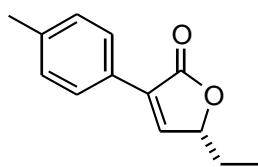
THE SYNTHESIS OF THE DERIVATIVES OF 2-ARYL-4-METHYLCYKLOPENT-2-EN-1-ONE WITH POTENTIAL ANTIFUNGAL ACTIVITY

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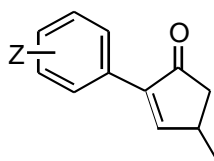
ABSTRACT

Several series of compounds with potential antifungal activity related to a natural product incrustoprine have been synthesized in last years.

The aim of this thesis was to prepare the set of carbanalogues of incrustoprine (2-arylderivatives of 4-methylcyklopent-2-en-1-one) to find whether the substitution of oxygen atom in lactone group by methylen would have any influence on the activity.



(-) incrustoprine



2-subst.phenyl-4-methylcyklopent-2-en-1-one

We found that the antifungal effect of these compounds was very low. It means that the lactone group is necessary for the activity.

All the compounds was also tested for cytotoxic activity but they did not display any significant effect.