**C-H ARYLATION OF PENTACYCLIC TRITERPENOIDS**

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Naturally abundant pentacyclic triterpenoids are significant secondary metabolites which have aroused huge interest by possessing wide range of remarkable biological activities such as antitumor[1] antidiabetic [2] anti-inflammatory [3] and antiviral activities [4]. Oleanolic, ursolic acids and betulin, are the most recognizable compounds of this branch, which are isolated from various plants. The aim of this work is to obtain novel triterpenoic derivatives by C-H arylation at C(22). For this purpose, precursors bearing picolinic amide directing groups were synthesized.



**Fig. 1.** C-H activation of betulin, oleanolic acid and ursolic acid.

Obtained picolinic amides **1**, **3a**, **3b** were successfully combained with aryl iodides employing Daugulis conditions and C-H arylated products **2**, **4a**, **4b** were obtained [5].

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