**SYNTHESIS OF QUINAZOLINES AND INDAZOLES FROM**

**2-FORMYLPHENYLBORONIC ACIDS**

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New mild methods for the synthesis of indazole and quinazoline has been studied and developed. Using novel protocols, 2-formylphenylboronic acids **1** can be converted to the heterocycles of interest in a good yield.

For quinazoline **3** synthesis, guanidines and amidines **2** can be used [1]. Reaction proceeds in alcoholic media with Cu(I) iodide as a catalyst (Chan-Evans-Lam reaction conditions [2]).

With dialkyl azodicarboxylates **4** and dialkyl hydrazinedicarboxylates **5** *N*-protected indazoles **6** can be synthesized [3]. Two-step protocol involves coupling, mediated by Cu(II) acetate, with subsequent one-pot conversion of formed semi-product to indazole in acidic media.



**Fig. 1.**  Synthesis of quinazolines and *N*-protected indazoles.

Present approach suggests 2-formylphenylboronic acids as a multi-purpose building blocks for a convenient access towards fused nitrogen-containing heterocycles.

***References:***

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