

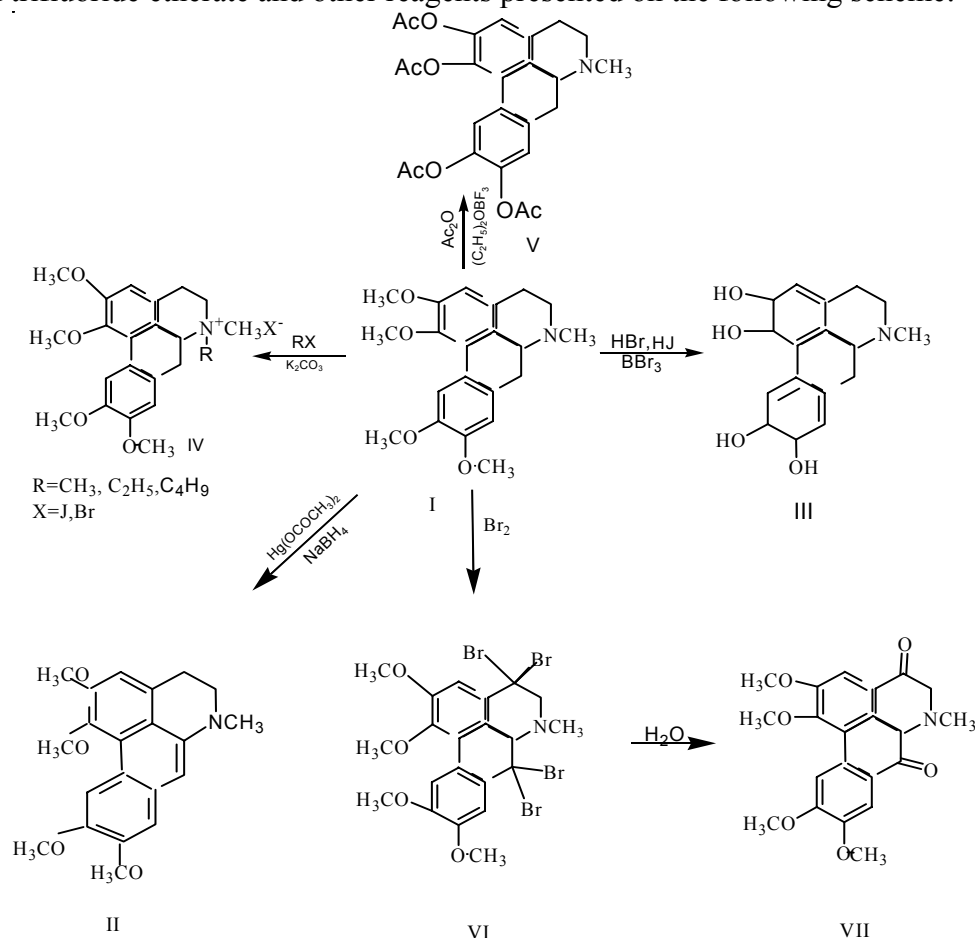
Chemical Modification of Aporfenic Alkaloid Glaucine

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Aporfinic alkaloids and their derivatives possess wide spectrum of biological activity. A number of valuable medicinal products with hypotensive and other types of properties have been obtained on their basis and are widely used in medicine. In spite of that, chemical modification of the most available and important aporfenic alkaloid glaucine has not been studied to full extent until recently.

The purpose of this work was to obtain new derivatives of glaucine and search for efficient medicines with the given spectrum of activity on their basis. Having this as a purpose, we studied reactions of glaucine with mercury acetate, hydrobromic and hydroiodic acids in various conditions, haloid alkyls, acetic anhydride in the presence of boron trifluoride etherate and other reagents presented on the following scheme:



The structures of the obtained derivatives of glaucine were confirmed by IR-, 1H and ^{13}C NMR-spectra and X-ray analysis.