

## Synthesis of hypoxanthine-8-<sup>13</sup>C и 6-benzyladenine-8-<sup>13</sup>C

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### Abstract

Justification of introduction of mark <sup>13</sup>C to the eighth position of purine basis has been given. By the reaction of hydroxideamination of adenine-8-<sup>13</sup>C with sodium nitrite in acid medium hypoxanthine -8-<sup>13</sup>C has been synthesized. From adenine-8-<sup>13</sup>C by the reaction with benzyl alcohol there has been obtained 6-benzyladenine-8-<sup>13</sup>C—regulator of plant growth. Perspective of obtaining a series of other marked derivatives of purine is discussed.