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## Synthesis and biological activity of N-arylbenzamidines

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## **Abstract**

A new technological method of N-arylbenzamidines synthesis has been worked out. Electronic nature of the substitute within arylamine molecules determines the probability and direction of a chemical reaction of benzonitrile with arylamines. This reaction being thermodynamically controlled allows to get N-arylbenzamidines with maximal yield at t = 180 °C. The derived amidines show signified antimicrobial, anti-inflammatory and analgesic activity.

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