

## 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.