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Synthesis and biological activity of 2,5-substituted derivatives of 6-hydroxypyrimidine-4(*3H*)-one

© **Anastasia E. Potapova**,[+] **Elena V. Kuvaeva**, **Igor P. Yakovlev**,*
Elena V. Fedorova, and **Alexander E. Shchegolev**
Department of Organic Chemistry. St.Petersburg Chemical- Pharmaceutical Academy. Prof. Popov St., 14. Saint-Petersburg, 197376. Russia. Phone: +7 (812) 234-11-72. E-mail: elena.kuvaeva@pharminnotech.com

*Supervising author; [+]Corresponding author

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Abstract

The series of new 2,5-substituted derivatives of 6-hydroxypyrimidine-4(3*H*)-ones were synthesized. It was established that the reaction rate and the product yield determined by the electronic nature of the substituent in the original amidine hydrochlorides molecules and malonic ester. The derived compounds exhibit a significant analgesic and anti-inflammatory activity.