

Synthesis of 5-aryl-4-acyl-1-(3-hydroxypropyl)- 3-hydroxy-3-pyrroline-2-ones

© Vladimir L. Gein,^{1*} Lyudmila F. Gein,² Andrey N. Korol,¹
Irina V. Krylova,² and Lyudmila I. Varkentin¹

¹Department of General and Organic Chemistry. Perm State Pharmaceutical Academy.
Polevya St., 2. Perm, 614990. Russia. Phone: +7 (834) 282-58-30. E-mail: geinvl48@mail.ru

²Department of General and Bioorganic Chemistry. Perm State Medical Academy.
Petropavlovskaya St., 26. Perm, 614000. Russia. Phone: +7 (834) 282-46-38.

*Supervising author; ⁺Corresponding author

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Abstract

By interreaction of the methyl esters of acyl- and aroalpyruvic acids from a mixture of aromatic aldehyde and 3-aminopropanol we obtained 5-aryl-4-acyl-1-(3-hydroxypropyl)-3-hydroxy-3-pyrroline-2-ones. The structures of all synthesized compounds was proved by IR, NMR ¹H spectroscopy.