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Synthesis and antiadrenergic properties of β -substituted alcohols based on 6-hydroxymethylpyridoxine

Pavelyev R., Khairullina R., Koshkin S., Iksanova A., Lodochnikova O., Khaertdinov N., Sitdikova G., Safina A., Aleksandrova E., Ziganshina L., Shtyrlin Y.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© 2016, Springer Science+Business Media New York. An approach to the synthesis of epoxides based on 6-hydroxymethylpyridoxine acetals was developed. The epoxides obtained were involved in the ring opening reactions by nitrogen-, oxygen-, and sulfur-containing nucleophiles. Cytotoxicity and antiadrenergic properties of some synthesized compounds were studied on the models in situ and in vivo.

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Keywords

6-hydroxymethylpyridoxine, anti-adrenergic activity, epoxides, pyridoxine, β -blockers, β -substituted alcohols