

Russian Chemical Bulletin 2016 vol.65 N2, pages 537-545

Synthesis and biological activity of quaternary phosphonium salts based on 3-hydroxypyridine and 4-deoxypyridoxine

Shtyrlin N., Vafina R., Pugachev M., Khaziev R., Nikitina E., Zeldi M., Iksanova A., Shtyrlin Y.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© 2016, Springer Science+Business Media New York. Methods for the synthesis of quaternary phosphonium salts based on 3-hydroxypyridine and 4-deoxypyridoxine were developed. Some of obtained compounds possess high antibacterial and antitumor activity in vitro.

<http://dx.doi.org/10.1007/s11172-016-1334-y>

Keywords

3-hydroxypyridine, 4-deoxypyridoxine, antibacterial activity, antitumor activity, phosphonium salts