Interaction of phthalic acids diamides with malonic acids chlorides – a new way of synthesis of bis(4-hydroxy-6H-1,3-oxazin-6-ones)

© Roman O. Ishchenko, Igor P. Yakovlev, Boris Y. Lalaev, and Lilia N. Ovsyannikova

1 Department of Organic Chemistry, Saint-Petersburg Chemical-Pharmaceutical Academy.
Prof. Popov St., 14, lit A, St. Petersburg, 197376. Phone: +7 (812) 740-39-90, +7 (911) 264-79-84.
E-mail: roman_iro@mail.ru

2 Department of Organic Chemistry, Saint-Petersburg Chemical-Pharmaceutical Academy.
Prof. Popov St., 14, lit A, St. Petersburg, 197376. Phone: +7 (812) 234-05-63

Keywords: oxazine, phthalic acid, malonic acid diamide, synthesis.

Abstract

The interaction of iso- and of terephthalic acid diamides with malonic acids chlorides formed a new, previously unexplored, bis(4-hydroxy-6H-1,3-oxazin-6-ones). The structure obtained was proved by $^1$H, $^{13}$C NMR, UV, and IR spectroscopy.