

Abstract:

There were 18 compounds prepared.-nine Schiff bases and nine 2-substitued 5,7-di-*tert*benzoxazoles.

The compounds were characterized by ¹H NMR a ¹³C NMR spectra, IR and UV spectra, TLC and melting point. All novel compounds except the 2-(2-hydroxybenzylidenamino)phenol⁴⁵ and 2-(benzo[d]oxazole-2-yl)phenol⁴⁶ are not described in Beilstein Handbuch der Organischen Chemie database and in Chemical Abstracts. The compounds can be considered to be original.

2-Amino-4,6-di-*tert*-butylphenol was obtained by reduction and conversion of 3,5-di-*tert*butyl-1,2-benzoquinone. Schiff bases were generated by the reaction of 2-amino-4,6-di-*tert*-butylphenol with appropriate aromatic aldehydes. Final compounds (2-substitued 5,7-di-*tert*-benzoxazoles) were prepared through cyclization of Schiff bases under (AcO)₄Pb catalysis in glacial acetic acid.