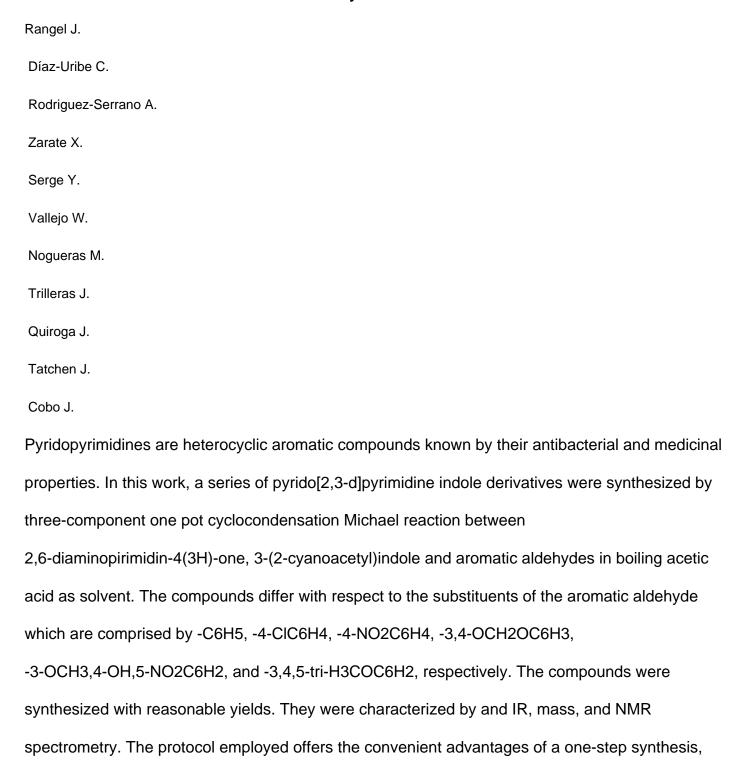
Three-component one-pot synthesis of novel pyrido[2,3-d]pyrimidine indole substituted derivatives and DFT analysis



considerable savings of solvents, and easy isolation of reaction products. In addition, DFT and

TD-DFT quantum chemical calculations were used to characterize the geometry and electronic

Indole

structure of the compounds. © 2017 Elsevier B.V.

One-step synthesis
Pyrido[2,3-d]pyrimidine
Three-component reaction
Addition reactions
Aldehydes
Aromatization
Chemical compounds
Electronic structure
Polycyclic aromatic hydrocarbons
Quantum chemistry
Heterocyclic aromatic compounds
Indole
Indole derivatives
Michael reactions
One step synthesis
Pyrido[2,3-d]pyrimidine
Quantum chemical calculations
Three component reactions
Aromatic compounds