

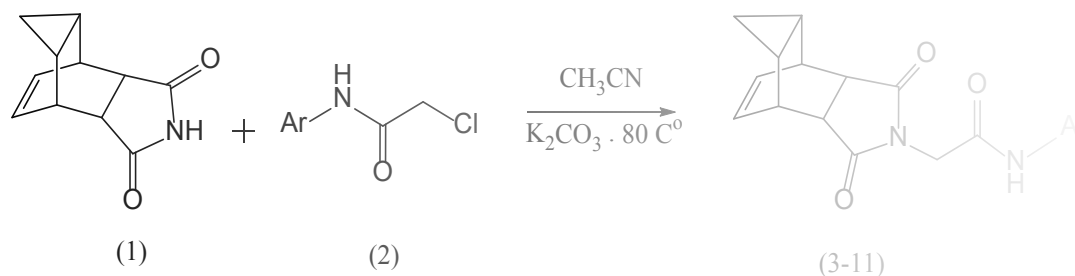
6th World Congress on

MEDICINAL CHEMISTRY AND DRUG DESIGN

June 07-08, 2017 Milan, Italy

Synthesis and characterization of 2-((4R,4aR,5aS,6S)-1,3-dioxo3,3a,4,4a,5,5a,6,6a-octahydro-4,6-ethenocyclopropa[f]isoindol-2(1H)-yl)-N-(substituted phenyl) acetamides anticipated to have HIV-1 activity**Abdulmajeed S H AlSamarrai and Noor H Abdulla**
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This work includes the synthesis of some new 2-((4R,4aR,5aS,6S)-1,3-dioxo3,3a,4,4a,5,5a,6,6a-octahydro-4,6-ethenocyclopropa[f]isoindol-2(1H)-yl)-N-(substituted phenyl) acetamides (3-11) by reaction of (4R,4aR,5aS,6S)-1,3-dioxo 3,3a,4,4a,5,5a,6,6a-octahydro-4,6-ethenocyclopropa[f]isoindole-1,3-(2H,3aH)-dione (1) with 2-chloro-N-(substituted phenyl) acetamides (2) in the presences of potassium carbonate in refluxing acetonitrile as a solvent. These compounds have been identified by spectroscopic methods including, IR, ¹H-NMR, ¹³C-NMR and elemental analysis (CHN).

**Biography**

Abdulmajeed S H AlSamarrai was awarded a BSc in chemistry by the Mosul University of Iraq and MSc in analytical chemistry, by Baghdad University of Iraq and was awarded a PhD in organic chemistry by university of Birmingham/ UK in 1984. He is an assistant professor, department of chemistry, Tikrit university, Iraq (1991-2001). Then since 2001, he is a faculty member in the department of chemistry at the University of Samarra, Iraq and he is working as a professor of organic chemistry. Dr. AlSamarrai research interests are on organic synthesis of heterocyclic compounds and has published about 30 papers in reputed journals.

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