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editor.jmcs@gmail.com

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Haro Castellanos, Jorge A.; Gutiérrez Carrillo, Atilano; Romero Martínez, Artemisa; James Molina, Guillermo; Ramírez Chavarín, Leticia; Pérez Yescas, Wendy  
Síntesis de 6-Acetamido- y 6-amino-1,2,3,4-tetrahydro-1-oxo-b-carbolinas  
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### Abstract

6-Amino-1,2,3,4-tetrahydro-1-oxo-b-carboline (9) was synthesized in the present work with better yields than reported by Abramovitch (53.2 %), employing two different ways, the first one is an improvement of Shapiros route last step (reduction of 6-nitro- 1,2,3,4-tetrahydro-1-oxo-b-carboline (8), increasing the yield to 73.8 %. The second, an alternative route from p-nitroacetanilide (5), improved the yield to 76.6. Furthermore, the new product 6-acetamido- 1,2,3,4-tetrahydro-1-oxo-b-carboline (12), was obtained by ciclization of the respective hydrazone in 92.4 % of yield. RMN spectra confirm the structures of the products.

### Keywords

1,2,3,4-Tetrahydro-1-oxo-b-carbolines, Fischer-Ciclization, Japp-Klingemann-Condensation.

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