

Poster Presentation

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X-ray structure determination of tricyclic indolinic derivates

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Tricyclic indolinic derivates have diverse and important therapeutic properties [1-2]. These heterocyclic are similar to mitomycin C which is a powerful antibiotic used in cancerous chemotherapy [3]. They are also used as intermediate compound to elaborate keratic fiber colorings. But, the biological activity of tricyclic indolinic derivates depends on the nature of the substituent. So, to reach this aim, we have determined structure of several intermediate compounds in order to find the best candidate on which other chemical reaction will be made to obtain tricyclic indolinic ring. In the present poster, we report the X-ray determination of the tricyclic indolinic compound in order to have a best insight of its structure and then to undertake a study of its possible therapeutic activity.

[1] Dalla, Via et al. (2008). J. Med. Chem. 43, 429-434

[2] Gasparotto, V. et al. (2006). J. Med. Chem. 49, 1910-1915

[3] Danishefsky, S. and Ciufolini, M. (1984). J. Am. Chem. Soc. 106, 6424-6425

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