X-ray structure determination of tricyclic indolinc derivates

Yapi Marcellin Yapo

Crystallography And Molecular Physic Laboratory, Abidjan, Ivory Coast
E-mail: yapimarcellin@yahoo.fr

Tricyclic indolinc 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 keratinc fiber colorings. But, the biological activity of tricyclic indolinc 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 indolinc ring. In the present poster, we report the X-ray determination of the tricyclic indolinc compound in order to have a best insight of its structure and then to undertake a study of its possible therapeutic activity.


Keywords: Tricyclic indolinc derivates, Therapeutic properties, Crystal structure