SAPIENZA
UNIVERSITÀ DI ROMA

Dipartimento di Chimica
e Tecnologie del Farmaco

AVVISO DI CONFERENZA

Si comunica che Martedì 16 aprile 2019, alle ore 16:00, nell'Aula A della Facoltà di Farmacia e Medicina (Edificio CU019) dell'Università Sapienza il

Prof. M. Kalesse

(Institute of Organic Chemistry, Leibniz University Hannover, Schneiderberg 1B, 30167 Hannover, and Helmholtz Center for Infection Research, Inhoffenstr 7, 38124 Braunschweig, Germany)

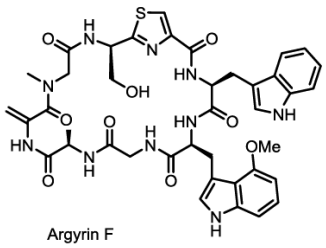
terrà una conferenza sul tema

"Synthesis and biological characterization of argyrin F, a proteasome inhibitor with improved in vitro and in vivo activities"

La S.V. è invitata ad intervenire.

Il Direttore
Prof. Bruno Botta

In the quest for new targets in anti-tumor therapy the proteasome and its inhibitors have been in the focus of academic and industrial research. In this context, we recently reported on the p27 stabilization effect of argyrin A through selective inhibition of the proteasome.[1] The talk will cover the synthesis of novel argyrines through a route that takes advantage of modern synthetic transformations and thus allows medicinal application by avoiding pharmacologically problematic functional group manipulations such as the incorporation of selenium compounds.[2]



Argyrin F

[1] a) F. Sasse, H. Steinmetz, T. Schupp, F. Petersen, K. Memmert, H. Hofmann, C. Heusser, V. Brinkmann, P. von Matt, G. Höfle, H. Reichenbach, *J. Antibiot.* **2002**, *55, 543-551; b)* Compound A21459 isolated by the Zerilli and Serva group exhibits identical chemical shifts and coupling constants compared to argyrin*; b)* P. Ferrari, K. Vékey, M. Galimberti, G. G. Gallo, E. Selva, L. F. Zerilli, *J. Antibiot.* **1996**, *49,* 150-154*; c)* E. Selva, G. Gastaldo, G. S. Saddler, G. Toppo, P. Ferrari, G. Carniti, B. P. Goldstein, *J. Antibiot.* **1996**, *49,* 145-149.
[2] Nickeleit, S. Zender, F. Sasse, R. Geffers, G. Brandes, I. Soerensen, H. Steinmetz, S. Kubicka, T. Carlomagno, D. Menche, I. Guetgemann, J. Buer, A. Gossler, M. P. Manns, M. Kalesse, R. Frank, N. P. Malek, *Cancer Cell* **2008**, *14,* 23-35.