

Synthesis and *in vitro* biological activity of a novel photodynamic bifunctional conjugate

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Prostate cancer (PC) is the second most frequently diagnosed of cancer and the fifth cause of death from malignancy in men worldwide. Current options for PC treatment remain unsatisfactory, since they often produce long-term side effects and develop resistance. With the aim of overcoming these restraints, the multimodal treatment has emerged as a successful alternative approach and in particular, the photodynamic therapy (PDT) could represent a promising and minimally invasive strategy. On the basis of these considerations, a photosensitizer/NO-donor conjugate containing an anti-androgen moiety will be presented, as well as its ability to display very promising features of selectivity and controlled phototoxicity in a variety of PC cell lines.

Tuesday 11 April 2017, 14:30

ISOF 12 – Meeting Room (1st floor)

CNR Research Area

Via Gobetti 101, Bologna