

P033 Peptide–PNA conjugates by employing chemo-selective click chemistry

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This communication describes a versatile method for chemical conjugation of cell penetrating peptides (CPP) with PNA and other DNA mimic (e.g. TANA). The methodology is based on the ‘good reaction’ exploiting click chemistry. A review article in *Chemical Revs*, 2006, 106, 3712-3761, clearly asks to find a suitable combination of a straightforward method for chemical synthesis and further advancement in synthesis of conjugates for internalization of antisense molecules to target cell or subcellular organelles. The results discussed here highlight suitable carriers on CPP and antisense molecules that can click together to give the desired conjugates in aqueous medium. The method can be used for combinatorial synthesis of CPP conjugates for the biological evaluation of different CPPs and subsequent applications in therapeutics.