

SYNTHESIS OF *N*⁶-SUBSTITUTED-2-TRIAZOLYL-ADENINE DERIVATIVES

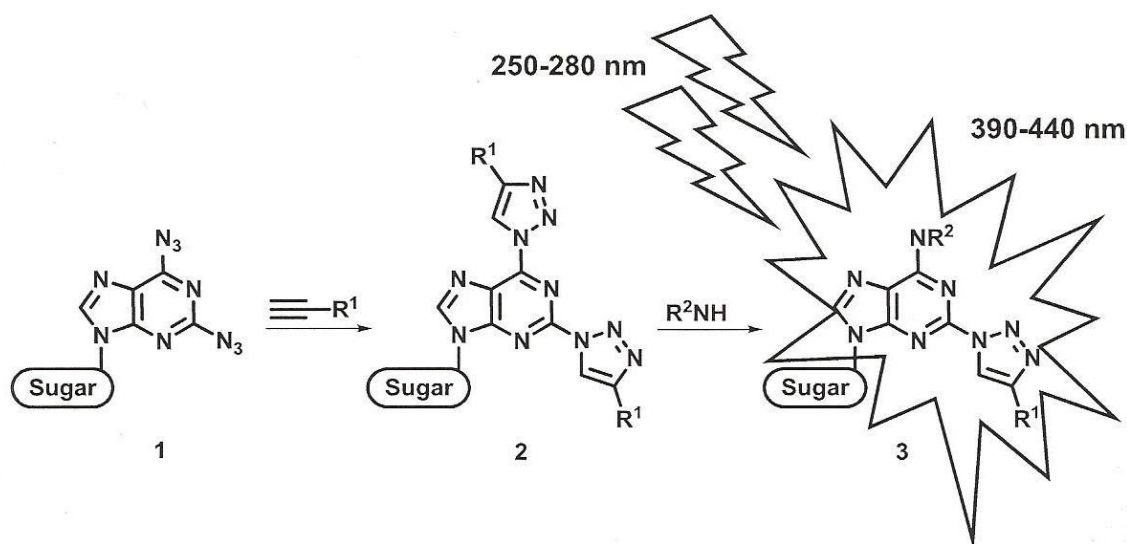
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A novel class of 2,6-bis-triazolylpurine nucleosides **2** were obtained from 2,6-diazido precursors **1** via copper (I) catalyzed azide-alkyne 1,3-dipolar cycloaddition reaction. These intermediates appeared to be very reactive towards *N*-nucleophiles and thus selectively gave C(6)-substituted analogs **3** with triazolyl moiety at C(2)-position. Thereby, 1,2,3-triazoles act as good leaving groups in regioselective nucleophilic aromatic substitution reactions [1].



Photophysical properties of the obtained products have been studied. Products **3** exhibit interesting fluorescence properties.

References:

1. Kovaļovs, A.; Novosjolova, I.; Bizdēna, Ē.; Bižāne, I.; Skardziute, L.; Kazlauskas, K.; Jursenas, S.; Turks, M. *Tetrahedron Lett.* **2013**, *54*, 850.