

# Synthesis and Anti-Virus Activity of Some Nucleosides Analogues

Ivanka G. Stankova<sup>a</sup>, Mario F. Simeonov<sup>b</sup>, Vera Maximova<sup>c</sup>, Angel S. Galabov<sup>c</sup>  
and Evgeny V. Golovinsky<sup>d</sup>

<sup>a</sup> Department of Chemistry, South-West University "Neofit Rilski", Iv. Michailov Str. 66,  
2700 Blagoevgrad, Bulgaria

<sup>b</sup> Institute of Organic Chemistry with Center of Phytochemistry, Bulgarian Academy of  
Sciences, 1113 Sofia, Bulgaria

<sup>c</sup> Institute of Microbiology, Bulgarian Academy of Sciences, 1113 Sofia, Bulgaria

<sup>d</sup> Institute of Molecular Biology, Bulgarian Academy of Sciences, 1113 Sofia, Bulgaria

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5-Bromo-2'-Deoxyuridine, Thymidine, Amino Acids, Peptides, Antiherpes Activity

New 3'-, 5'-, 5-bromo-2'-deoxyuridine (**3a–g**) and 3'-, 5'- thymidine (**4a–i**) analogues with amino acid and peptide residues were synthesized and evaluated for antiviral activity. The influence of long peptide chains, essential amino acids and the effect of this structural modification on the antiviral activity has been also reported.

Three 5-bromo-2'-deoxyuridine derivatives containing glycy-, glycy-glycy- and glycy-glycy-glycy- residues (**3a**, **3b**, **3c**) showed a strong activity against the herpes virus PsRV and a moderate one vs. HSV-1.

The corresponding thymidine analogues were considerably less effective, and only compounds **4d** and **4h** showed a borderline effect against PsRV.

Reprint requests to Dr. Stankova. Fax: 003597329325, e-mail: ivankast@aix.swu.bg