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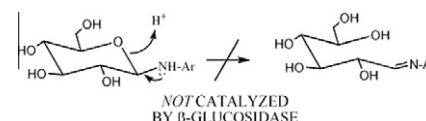
Regular Articles

N-phenylglucosylamine hydrolysis: A mechanistic probe of β -glucosidase

pp 111–113

Ying Na, Hong Shen and Larry D. Byers*

Beta-glucosidases from almonds or *A. niger*, or alpha-glucosidase from yeast, do not catalyze the hydrolysis of phenylglucosylamine.

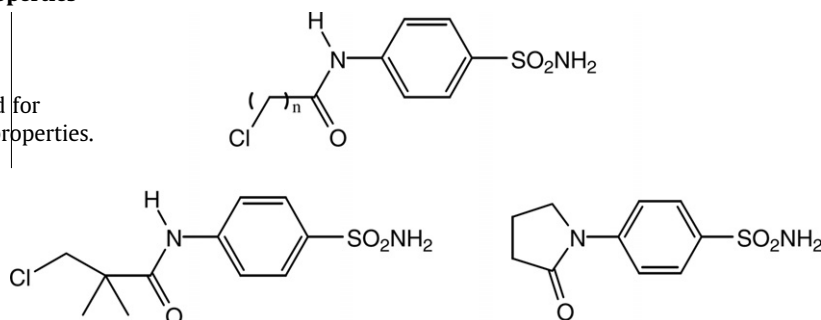


Synthesis of sulfanilamide derivatives and investigation of *in vitro* inhibitory activities and antimicrobial and physical properties

pp 114–119

Hasan Turkmen, Gulay Zengin* and Belkis Buyukkircali

Sulfanilamide derivatives were synthesized and evaluated for carbonic anhydrase inhibitory activity and antibacterial properties.

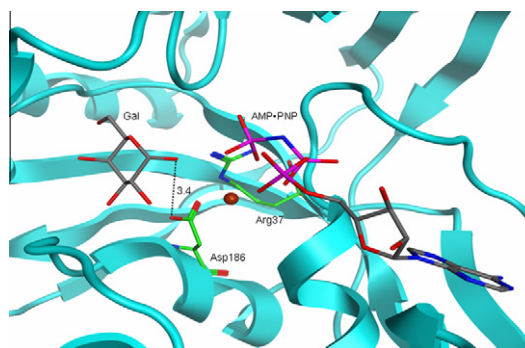


The role of the active site residues in human galactokinase: Implications for the mechanisms of GHMP kinases

pp 120–126

Clare F. Megarity, Meilan Huang, Claire Warnock and David J. Timson*

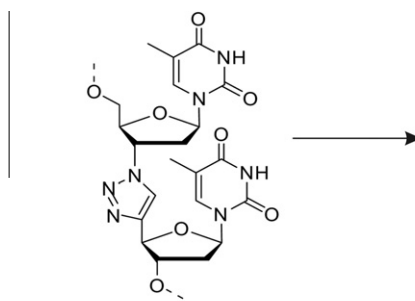
In the active site of human galactokinase, aspartate-186 polarises the hydroxyl group attached to carbon-1 of the sugar. This facilitates nucleophilic attack on the γ -phosphorus of ATP.



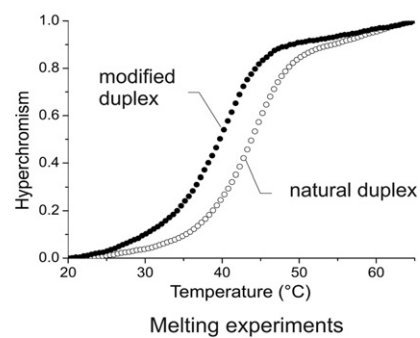
Synthesis and hybridization data of oligonucleotide analogs with triazole internucleotide linkages, potential antiviral and antitumor agents

Anna Varizhuk, Alexandr Chizhov and Vladimir Florentiev*

Triazolyl-modified oligonucleotides were synthesized and their hybridization with complementary DNA was studied.



Fragment of a modified oligonucleotide



pp 127–131

*Corresponding author