

Contents

Vol. 87, No. 5, 2022

Engl./Russ.

2-Amino-Pyrrole-Carboxylate Attenuates Homology-Mediated DNA Repair and Sensitizes Cancer Cells to Doxorubicin

Sergei Boichuk, Firuza Bikinieva, Ilshat Mustafin, Svetlana Zykova, Sergei Ryzkin, and Aigul Galebikova

391 539

Reviews

Nonsense Mutations in Eukaryotes

Nadezhda A. Potapova

400 508

Oxidative Stress and Redox-Dependent Signaling in Prostate Cancer

Elena V. Kalinina, Ludmila A. Gavriluk, and Vadim S. Pokrovsky

413 459

Modern Methods for Assessment of microRNAs

Oleg L. Bodulev and Ivan Yu. Sakharov

425 474

Modeling the Structure of Human tRNA-Guanine Transglycosylase in Complex with 7-Methylguanine and Revealing the Factors that Determine the Enzyme Interaction with Inhibitors

Sergey V. Pushkarev, Valeriia A. Vinnik, Irina V. Shapovalova, Vytas K. Švedas, and Dmitry K. Nilov

443 550

Review

Structure and Polymorphism of Amyloid and Amyloid-Like Aggregates

Anton B. Matiiv, Nina P. Trubitsina, Andrew G. Matveenko, Yury A. Barbitoff, Galina A. Zhouravleva, and Stanislav A. Bondarev

450 587

Rational Design of ssODN to Correct Mutations by Gene Editing

Olga V. Volodina, Arina A. Anuchina, Milyausha I. Zainitdinova, Nadezhda A. Evtushenko, Alexander V. Lavrov, and Svetlana A. Smirnikhina

464 617

Review

Cyanidiales as Polyextreme Eukaryotes

Igor N. Stadnichuk and Ivan V. Tropin

472 642
