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Stearoyl-CoA Desaturase 1 Is a Novel Molecular Therapeutic Target for Clear Cell Renal Cell Carcinoma

Christina A. von Roemeling, Laura A. Marlow, Johnny J. Wei, Simon J. Cooper, Thomas R. Caulfield, Kevin Wu, Winston W. Tan, Han W. Tun, and John A. Copland

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Inhibition of NF-κB–Mediated Signaling by the Cyclin-Dependent Kinase Inhibitor CR8 Overcomes Prosurvival Stimuli to Induce Apoptosis in Chronic Lymphocytic Leukemia Cells


The Proteasomal Inhibitor Carfilzomib Functions Independently of p53 to Induce Cytotoxicity and an Atypical NF-κB Response in Chronic Lymphocytic Leukemia Cells


Bazedoxifene Exhibits Antiestrogenic Activity in Animal Models of Tamoxifen-Resistant Breast Cancer: Implications for Treatment of Advanced Disease

Suzanne E. Wardell, Erik R. Nelson, Christina A. Chao, and Donald P. McDonnell

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ABOUT THE COVER

Assembling of microRNA-loaded transferrin-conjugated-nanoparticles to target acute myeloid leukemia (AML) blasts. The nanoparticle core was composed of negatively charged microRNA molecules (miR, \(\text{miR}\)) and positively charged polyethylenimine (PEI, \(\text{PEI}\)). Empty nanoparticles were composed of DOPE (\(\text{DOPE}\)), linoleic acid (\(\text{Linoleic Acid}\)), and DMG-PEG (\(\text{DMG-PEG}\)). After the loading of the PEI-miR core in the nanoparticles, transferrin-PEG-DSPE (\(\text{Transferrin-PEG-DSPE}\)) was inserted into the nanoparticle surface for specific targeting of leukemia blasts. The background depicts a cytospin of AML blasts derived from a mouse with AML treated with miR-loaded nanoparticles. For details, see the article by Huang and colleagues on page 2355 of this issue.

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