Abdou, Cell Dev Biol 2013, 2:1
DOI: 10.4172/2168-9296.1000e120

Cell & Developmental Biology
ISSN: 2168-9296

Editorial Open Access

Cell & Developmental Biology in the Practice of Organic Chemistry

Mastoura Mohamed Edrees Abdou*

Department of Chemistry, King Khalid University, Saudi Arabia

The Cell & Developmental Biology Journal incorporates studies related to organic chemistry including synthesis, design, and evaluation of synthetic organic compounds. The organic compounds are synthesized using methods such as elucidation by spectral and analytical methods. The biological effects of these compounds are determined. Pharmaceutical organic chemistry uses compound designs through certain docking programs to determine the activity of these compounds against certain enzymes and finds out which compound, we wish to synthesize, will be effective in saving time, chemicals and efforts in our research. The desired compound is then synthesized in the laboratory followed by elucidation of this compound by spectral and analytical methods. The compound is then biologically tested with corresponding enzymes and the computed results are compared with the actual results. Such comparative analysis of synthetic organic compounds is of great importance in the field of the pharmacy. Cell & Developmental Biology Journal welcomes such findings that prove effective for the researchers in the field of pharmaceutical organic chemistry. Cell & Developmental Biology Journal makes accessible the most recent articles on researches attending important therapeutic issues against prevailing diseases and discovery of new disease inhibiting drugs. Another way to develop antigens is by using nucleosides. By synthesizing analogues and incorporating directly into triplex-forming oligonucleotides containing base pair different from the normal, recognition of the abnormal base pair within the gene can be seized and this can be elucidated by the use of spectroscopic tools [1].

References

1. Gerrard SR, Edrees MM, Bouamaied I, Fox KR, Brown T (2010) CG base pair recognition within DNA triple helices by modified N-methylpyrrolo-dC nucleosides. Org Biomol Chem 8: 5087-5096.

***Corresponding author:** Mastoura Mohamed Edrees Abdou, Department of Chemistry, King Khalid University, Saudi Arabia, E-mail: mmohamededrees@yahoo.com

Received January 15, 2013; **Accepted** January 15, 2013; **Published** January 18, 2013

Citation: Abdou MME (2013) Cell & Developmental Biology in the Practice of Organic Chemistry. Cell Dev Biol 2: e120. doi:10.4172/2168-9296.1000e120