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(57) Abstract :

This invention proposes a simple, efficient, and reliable method for synthesizing Salicylamide Analogues and evaluating their inhibitory effect on the Epidermal Growth Factor Receptor Tyrosine Kinase (EGFR-TK). The proposed method has the potential to accelerate drug discovery for cancer treatment by facilitating rapid and cost-effective screening of large numbers of compounds for their inhibitory effect. The synthesis of Salicylamide Analogues is achieved through a straightforward chemical reaction, and their inhibitory effect on EGFR-TK is evaluated using an established in vitro assay. The present invention provides a comprehensive description of the materials, methods, and results obtained, along with the advantages of the proposed method over existing methods. The present invention has the potential to make a significant impact on the field of cancer research and drug development and contribute to the advancement of human health and well-being.

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