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Analyze the Role of the "5-Steps Rule" Guidelines in Stimulating the Drug Development

Running Title: Five-steps rule guidelines

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About 10 years ago a very important paper on "Some remarks on protein attribute prediction and pseudo amino acid composition" was published [1]. In that paper, the "5-steps rule" or "5-step rules" has been proposed. Since it has the following notable advantages: (**1**) crystal clear in logic development, (**2**) completely transparent in operation, (**3**) easily to repeat the reported results by other investigators, (**4**) with high potential in stimulating other sequence-analyzing methods, and (**5**) very convenient to be used by the majority of experimental scientists."

Ever since then, a series of papers by using the "5-steps rule" or "5-step rules" [1] have been published for developing drugs against various diseases (see, e.g., [2-51]). It has also stimulated the eight masterpieces papers [52-59] by the then Chairman of Nobel Prize Committee.

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