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Insilico Design of Novel Kinase Inhibitor and its Docking Studies

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Abstract: Imidazoles have occupied a unique position in heterocyclic chemistry, and its derivatives have attracted considerable interests in recent years for their versatile properties in chemistry and pharmacology. Imidazole in nitrogen-containing heterocyclic ring which possesses biological and pharmaceutical importance. Considering its activies we are trying to synthesis a novel derivatives in this track we trying to spill its kinase inhibitor activity against cancer receptors. From our docking studies it is revealed that P4, P5, P6, P13, P15 have excellent kinase inhibitor activity with greatest minimizing energy values. Among them P13 & P 15 scored highest minimizing energy values with -403.3 and -403.37 respectively.
Key Words: Docking studies, Conjugation reactions, Imidazoles, Kinase Inhibitors,

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