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Computational screening of potential inhibitors targeting MurF of *Brugia malayi Wolbachia* through multi-scale molecular docking, molecular dynamics and MM-GBSA analysis

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Abstract

<u>Lymphatic filariasis</u> is a <u>parasitic disease</u> caused by the worms *Wuchereria bancrofti*, *Brugia malayi* and *Brugia timori*. Three anti-filarial drugs namely Diethylcarbamazine, Ivermectin and Albendazole and their combinations are used as the control strategies for