

Targeting Tropical Vector Borne Infectious Diseases with Heterocyclic Compounds

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There is a pressing need to develop effective drugs for the treatment of vector borne infectious diseases such as malaria and chikungunya. In our research reported here, we utilise two strategies for lead identification. The nature products approach led to two heterocyclic scaffolds for anti-plasmodial drug development while data-mining identified thieno[3,2-b]pyrroles as potential anti-virals against chikungunya. This presentation will provide an overview of our synthetic and biological discoveries in this field.

