

3D-QSAR Studies for some Pyrazolones against a Pathogen

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3D QSAR *viz.* 3 descriptor quantitative structure and activity relationship studies for a series of compounds, *i.e.*, pyrazolone derivatives using their semi-empirical quantum chemical descriptors and their laboratory reported activities against a pathogen *viz.* *Ralstonia solanacearum* (ITCC – B1-0002) have been carried out and reported in the present paper. Graphs between observed and predicted activities, both in the terms of $p(\text{MIC})_{\text{cal}}$ and $p(\text{MIC})_{\text{obs}}$ are also being reported on the basis of which it can be concluded that there are some parameters/descriptors effect towards the activity. The method has been proven to be useful tool for such type of studies.

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