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(57) Abstract :
The present invention discloses a method for identifying herbal compounds with anti-cancer properties using machine learning techniques. The method involves collecting a comprehensive dataset comprising information on herbal compounds, their chemical properties, and experimental data on their anti-cancer activities. Relevant features are extracted from the dataset, including molecular descriptors, physicochemical properties, and structural characteristics of the compounds. The dataset is preprocessed to ensure data quality, and machine learning models, such as support vector machines or neural networks, are trained on the preprocessed data to learn the relationships between the features and the anti-cancer activities.

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