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Abstract

## Arantho (*Rutaceae*): a medicinal mexican plant against breast cancer

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**Abstract:** Breast cancer is the most common malignancy in women worldwide representing the leading cause of death. There are several therapeutic methods for these illness as the chemotherapy; which includes the administration of drugs. However, these treatment affect normal cells causing severe side effects in patients. In addition to the low diversity of drugs on the market leads to the search for new drugs to treat this condition. Medicinal plants have chemical components of great importance to the discovery of new active compound. Mexico is one of the countries with the greatest diversity of plants in the world after China and the use of plants for medical purposes has been a tradition. In this work we identified a mexican plant (Arantho) that is collected for medical purposes by the local people of El Cardonal province, in Hidalgo State located in the center of Mexico. Arantho belongs to the *Rutaceae* family. People use the leaves to prepare infusions and drink the tea to treat breast cancer. Besides, the plant is dried and stored in unfavorable seasons in order to use them later. The study of the potential cytotoxic properties of Arantho against breast cancer is currently performed in cellular lines.

**Keywords:** *Rutaceae*, *Arantho*, *Breast Cancer*.

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