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(57) Abstract

The present invention provides the tools and methodologies necessary to guide the standardization of herbal compositions, to determine which specific components of a herbal composition are responsible for any particular biological activity, to predict the biological activities of a particular herbal composition, and for the development of improved herbal therapeutics. This invention provides the tools and methodologies for creating, maintaining, improving and utilizing Herbal BioResponse Arrays (HBR Arrays), wherein the HBR Arrays constitute data sets associated with particular herbal compositions. The HBR Arrays of the present invention may include information on the plant–related parameters of the herbal constituents, marker information collected following the exposure of a biosystem to the herbal composition, and biological response information collected following the exposure of a biosystem to the herbal composition.

