DATURA ARBOREA
(Dat. arb.)

Botanical name: *Datura arborea* Linn.  
Family: Solanaceae

Synonym: *Bruomansia candida* Stend.

Common name: English: Tree stramonium.

Description: An ornamental evergreen tree, up to 3 m in height with pubescent stalks and branches. Leaves ovate-lanceolate, pubescent, in pairs, one shorter than the other; margin entire, petiole about 2.5 cm or more in length. Flowers pendulous with musk-like odour, axillary, white within and pale yellow outside; calyx tubular, spathulate, acuminate; corolla trumpet-shaped, tube-terete, the lobes of the limb very long; stamen 5, all perfect anthers distinct. Fruit a capsule, large, 2-celled, mostly prickly or spiny, 4-valved at the top with many seeds.

Part used: Flower.

Macroscopical: Flowers axillary pendulous, white within, pale yellow outside, with a musk-like odour. Calyx tubular entire, spathe-like, acuminate, corolla tube terete, the lobe of the limb very long, anthers distinct.

Identification: Take 25 ml of 75 percent alcoholic extract, make it alkaline with a few drops of ammonium hydroxide solution and extract three times with 20 ml of solvent ether each time. Wash with water the combined ether extract, evaporate the ether and dissolve the residue in 2 ml alcohol.

Take one drop in a porcelain crucible and add one drop of fuming nitric acid and evaporate; residue is colourless. The residue when moistened with freshly prepared alcoholic potassium hydroxide solution shows purple colour.

Distribution: Indigenous to Peru and Chile, sometimes cultivated in gardens.


Preparation: (a) Mother Tincture φ  Drug strength 1/10

| Datura Arborea containing solids 100 g | 400 g |
| and plant moisture 300 ml | 730 ml |

Strong Alcohol to make one thousand milliliters of the Mother Tincture.
2x to contain one part Mother Tincture, three parts Purified Water; six parts *Strong Alcohol*; 3x and higher with *Dispensing Alcohol*. 