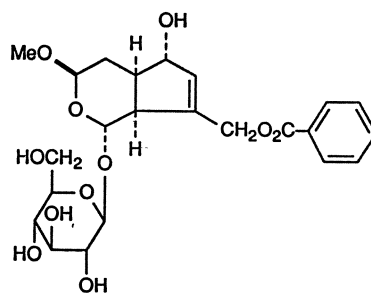
6'-*p*-Hydroxybenzoyl-mussaenosidic acid (122-2)

Nishindaside (122-3)

### 122.3 Pharmacology

The essential oil of *V. negundo* var. *cannabifolia* was found to have therapeutic activity on bronchitis and asthma similar to that found in *Rhododendron racemosum* [5]. A high degree of similarity in chemical composition of the essential oils from *R. racemosum* and from some *Vitex* species was found [5].

### 122.4 *Vitex trifolia* L.

Another item in the *Chinese Pharmacopeia* for *Vitex* species is Manjingzi, Fructus Viticis. It is the dry ripe fruits of *V. trifolia* L. or *V. trifolia* var. *simplicifolia* Cham. which is collected in the fall when the fruits are ripe. It is used for the treatment of colds, headaches, and vertigo. The fruits of *V. trifolia* were found to contain aliphatic hydrocarbons, dulcitol, and vanillic acid [6]. The oil from the seeds contains myristic (0.4%), palmitic (35%), stearic (15%), palmitoleic (1.8%), oleic (28%), and linoleic (20%) acids [7]. The composition of the essential oil isolated from leaves of *V. trifolia* was similar to that of *V. negundo* var. *cannabifolia*, with  $\alpha$ -pinene representing the main component [1]. Agnuside was also isolated from the leaves of *V. trifolia* [8].

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