



- **Latin Name:** Petasites Hybridus
- **Active Ingredient:** Petasites Sesquiterpenes
- **CAS No.:** -
- **Test method:**
- **Specifications:** 10%

Product Description:

Butterbur Extract Petasites

CAS No. Registry Number: 60102-37-6

Petasites Hybridus

Petasites Sesquiterpenes

The Butterbur (*Petasites japonicus*) has been a staple of the Japanese diet for many years and is one of the few vegetables native to Japan. Besides being recognized for its value as a staple food item it has also demonstrated anti-allergenic properties in recent studies and clinical trials.

The Butterbur plant contains flavor constituents, monoterpenes, sesquiterpenes and many polyphenols. The anti-allergenic properties of the aerial portion of the plant can be attributed to the eremophilane type sesquiterpenes (of which Petasin & Iso-Petasin are major constituents), fukinone and 2'-hydroxyfukinone. An advantage to using the aerial portion of the plant, the portion consumed as food, is that it does not contain the high levels of PA's (pyrrolizidine alkaloids) found in the root and rhizome.

Butterbur Extract has exhibited the ability to inhibit the degranulation of mast cells, release of leukotrienes and TNF- α production all of which are associated with the inflammation and mucous secretions related to allergic rhinitis.

Our Butterbur Extract is available in a food grade powder that utilizes the aerial portions of the *Petasites japonicus* including the leaves and stems.

REFERENCES

1. Schapowal A. Petasites Study Group. Butterbur Ze339 for the treatment of intermittent allergic rhinitis: dose dependant efficacy in a prospective, randomized, double-blind, placebo-controlled study. Arch Otolaryngol Head Neck Surgery. 2004 Dec; 130 (12): 1381-6.
2. Butterbur Extract Shows Promise for Allergic Rhinitis. HerbalGram. 2004; 63:24.
3. Lee DK, Haggart K, Robb FM, Lipworth BJ. Butterbur, a herbal remedy, confers anti-inflammatory activity in asthmatic patients receiving inhaled corticosteroids. Clin Exp Allergy. 2004 Jan; 34 (1): 110-4.
4. Lee DK, Gray RD, Robb FM, Fujihara S, Lipworth BJ. A placebo-controlled evaluation of butterbur and fexofenadine on objective and subjective outcomes in perennial allergic rhinitis.

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5. Lee DK, Carstairs IJ, Haggart K, Jackson cM, Currie GP, Lipworth RJ.

