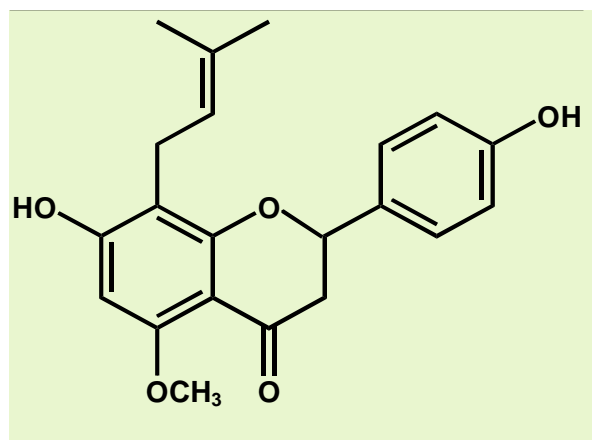


## Isoxanthohumol

### ❖ Overview

- **Isoxanthohumol** is a natural product produced from hops.
- **Isoxanthohumol** is the hop polyphenol produced from xanthohumol.
- **Isoxanthohumol** can be used as an ingredient in food, cosmetics or pharmaceutical applications.

Molecular Structure of Isoxanthohumol



### ❖ Specification

- **Description:** White colored powder.
- **Isoxanthohumol:** > 85 %
- **Ethanol, Ethylacetate:** < 0.1 %
- **Density:** ~ 0.5 g / ml
- **Solubility:** Very soluble in ethanol, nearly insoluble in water.  
Further information on solubility:  
*J. Agric. Food Chem.* 1999, 2421 – 2428.

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## ❖ Properties

### ❑ Orac Test Results

#### Peroxyl Radical Scavenging Capacity

	μmol Trolox/g
Xanthohumol (> 98%)	23447
Isoxanthohumol (> 98%)	19073
*Quercetin-Dihydrate (90%)	21779

#### Hydroxyl Radical Scavenging Capacity

	μmol Trolox/g
Xanthohumol (> 98%)	72245
Isoxanthohumol (> 98%)	29600
*Quercetin-Dihydrate (90%)	5610

\* Quercetin-Dihydrate (90%) was used as a reference standard.

### ❑ Storage stability

**Isoxanthohumol** is stable for two years from the date of production. The product should be stored < 5° C and be protected from light.

### ❑ Safety

If **Isoxanthohumol** comes in contact with the eyes wash off with plenty of water and seek medical attention.

For full safety information please see the relevant Steiner material safety data sheet.

### ❑ Quality

All Hopsteiner® products are produced in plants accredited to internationally accepted quality standards. **Isoxanthohumol** is Food Grade and Kosher.

## ❖ Packaging

**Isoxanthohumol** is packaged in various types of containers depending on custom requirements.

## ❖ Analytical methods

The concentration of **Isoxanthohumol** can be determined by HPLC using Analytica-EBC 7.8 with the UV detection set at 290 nm and using the appropriate isoxanthohumol standard.

## ❖ Technical Support

We will be pleased to offer help and advice on the full range of Hopsteiner® products:

- ❑ Copies of all relevant analytical procedures
- ❑ Material Safety Data Sheets (MSDS)
- ❑ Assistance with pilot or commercial trials
- ❑ Specialist analytical services

## ❖ Remarks

We take great care in preparing **Isoxanthohumol** from hops, however, the use or application is the sole responsibility of the buyer.

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