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Columns: ORIGINAL ARTICLE

*Basic Study*

**Broccoli sprout extract induces detoxification-related gene expression and attenuates acute liver injury**

Kazutaka Yoshida, Yusuke Ushida, Tomoko Ishijima, Hiroyuki Suganuma, Takahiro Inakuma, Nobuhiro Yajima, Keiko Abe, Yuji Nakai

### Abstract

**AIM:** To investigate the effects of broccoli sprout extract (BSEx) on liver gene

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Running title: Detoxication of Air Pollutants with **Broccoli Sprout** Beverage ... and may provide a frugal means to **attenuate** their associated ..... SF-rich **broccoli sprout** preparations can **induce** NRF2-regulated **gene expression** in the upper ...

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There are two main pathways of **detoxification** in the **liver**, known as phase I and phase II ... a **gene** which regulates the **expression** of a set of antioxidant and **detoxifying genes**, ... VitaVeggie® is a blend of broccoli powder, **broccoli sprout extract**, tomato ... N-acetylcysteine **attenuates** phosgene-induced **acute lung injury** via ...

**Induction of Phase 2 Antioxidant Enzymes by Broccoli ...**  
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作者: S Boddupalli - 2012 - 被引用次数: 31 - 相关文章

2012年1月24日 - Upon physical **damage** to the plant, ... Sulforaphane and ARE-Dependent **Gene Induction** ... The **induction** of many PII **detoxification** and AO enzymes are ... consuming a **broccoli sprout extract** containing 200  $\mu$ M SF resulted in the ... 1996), yet assessing **hepatic** ARE enzyme **expression** and activity ...

**[PDF] BROCCOLI EXTRACT POWDER**  
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the **related** nitrile. Although the nitrile lacks ... which means the body is better able to **detoxify** and remove potentially ... **broccoli sprout extract** of the isothiocyanate



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provide a frugal means to **attenuate** their associated .... SF-rich **broccoli sprout**

preparations can **induce** NRF2-regulated **gene expression** in the upper ...

### list of detox ingredients | Odom Health & Wellness

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There are two main pathways of **detoxification** in the **liver**, known as phase I and

phase II. .... II activity has been associated with an increased risk of health **related**

issues.2 ... VitaVeggie® is a blend of broccoli powder, **broccoli sprout extract**,

tomato ... phosgene-induced **acute** lung **injury** via up-regulation of Nrf2 **expression**.

### Induction of Phase 2 Antioxidant Enzymes by Broccoli ...

[www.ncbi.nlm.nih.gov/.../PubMed Central \(PMC\)](http://www.ncbi.nlm.nih.gov/.../PubMed Central (PMC)) ▾ [翻译此页](#)

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the ... 1996), yet assessing **hepatic** ARE enzyme **expression** and activity ...

### Modulation of Metabolic Detoxification Pathways Using ...

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2015年3月20日 - Each of these four classes of **detoxification-related** pathways will

be ... will largely depend on the genetic **expression** of these enzymes [17]. ... Clinical