

Title (en)
FACTORS THAT BIND INTESTINAL TOXINS

Title (de)
DARMTOXINBINDENDE FAKTOREN

Title (fr)
FACTEURS DE LIAISON A DES TOXINES BACTERIENNES

Publication
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Application
EP 03749554 A 20030909

Priority
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Abstract (en)
[origin: WO2004024070A2] Methods for neutralizing bacterial toxins such as Shiga toxins and cholera toxins are disclosed. In a particular embodiment, a method is provided for treating a subject suffering from an infection caused by an Stx-producing organism by administering a therapeutically effective amount of a hop bract tannin obtained from Humulus lupulus. Also provided are methods for isolating polyphenolic compounds that bind Stx molecules, and methods for detecting the presence of Stx molecules in a biological sample. In a disclosed embodiment, a subject infected with a Shiga toxin-producing E. coli strain is treated by enterically administering a high molecular weight fraction of hop bract extract to the subject.

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Citation (search report)
• [XA] JP 2001321166 A 20011120 - ASAHI BREWERIES LTD
• [XA] GB 2330076 A 19990414 - STEINER INC S S [US]
• [T] MORINAGA NAKO ET AL: "Differential activities of plant polyphenols on the binding and internalization of cholera toxin in vero cells", JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 280, no. 24, June 2005 (2005-06-01), pages 23303 - 23309, XP002531884, ISSN: 0021-9258
• See references of WO 2004024070A2

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