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(71) Applicant: **DEL MAR PHARMACEUTICALS**
[CA/CA]; 887 Great Northern Way, Suite 720, Vancouver,
British Columbia, V5T 4T5 (CA).

(72) Inventors; and

(71) Applicants : **LU, Xiaoyun** [CA/CA]; 887 Great Northern
Way, Suite 720, Vancouver, British Columbia, V5T 4T5
(CA). **LI, Mike, Tso-Ping** [US/US]; 1128 Elmsford Drive,
Cupertino, CA 95014 (US).(74) Agent: **FARBER, Michael, B.**; Dithavong & Steiner.
P.C., 44 Canal Center Plaza, Suite 322, Alexandria, VA
22314 (US).

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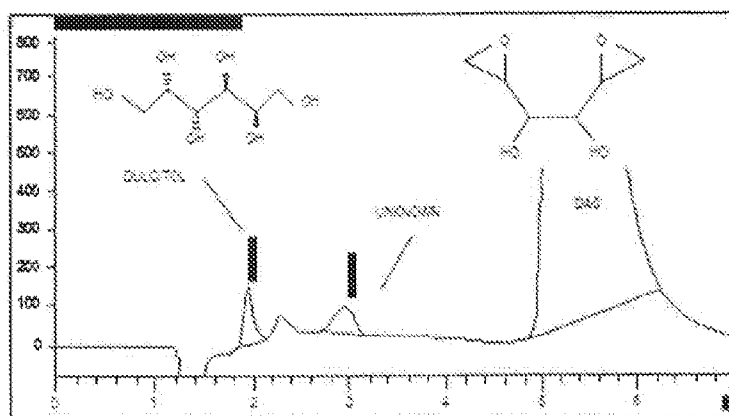
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(54) Title: HPLC ANALYSIS OF IMPURITIES IN DIANHYDROGALACTITOL

FIG. 1



(57) **Abstract:** An improved analytical method for analysis of dianhydrogalactitol preparations provides a method for determining the purity of dianhydrogalactitol and detecting impurities in preparations of dianhydrogalactitol, as well as identifying any such impurities. The method employs high performance liquid chromatography (HPLC), in particular, HPLC with evaporative light scattering detection (ELSD); the HPLC can be followed by tandem mass spectroscopy. The method can further comprise the step of performing preparative HPLC collection of at least one specific substance peak present in a preparation of dianhydrogalactitol.