

Title (en)

METHOD OF ISOLATING ISOLECTINS FROM MISTLETOE

Title (de)

VERFAHREN ZUR ISOLIERUNG VON ISOLEKTINEN AUS DER MISTEL

Title (fr)

PROCEDE PERMETTANT D'ISOLER DES ISOLECTINES DE GUI

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Application

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Abstract (en)

[origin: DE4421895A1] The invention concerns a method of isolating type ML I isolectins from mistletoe, the method calling for the following operations: mistletoe plants freshly harvested from birch or sycamore host plants are chopped and an aqueous suspension made; the aqueous suspension is optionally filtered and its pH adjusted to < 7; the suspension is optionally centrifuged, the supernatant liquid passed through a cation-exchange column and the eluting fraction containing the lectins from the mistletoe collected; this fraction is subjected to chromatography using a lactosyl-modified column support material; and the type ML I lectins are desorbed by treating the lactosyl-modified support material and separated on a cation-exchange column and from which the type ML I-1 and ML I-2 fractions are collected. The invention also concerns type ML I-1 and ML I-2 mistletoe lectins obtained by a method as described in one of claims 1 to 5, plus fragments obtained by reductive splitting with disulphide-bond-splitting reagents.

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