

Method for isolating a natural origin hypoglycemic



Description

This invention consists of an improved method for isolating sesquiterpene eudesmane 4 α -cinnamoiloxi-1 β , 3 α -ene-7,8-dihidroxiudesm (4CDE), a natural origin compound with hypoglycemic activity. The method proposes isolating 4CDE from a hexane extract of huichin leaves (*Verbesina persicifolia*), a plant that can be found in the Mexican states of Veracruz, Hidalgo and San Luis Potosí.

The extraction yield is 1 g / kg of fresh plant material. With the proposed method greater than or equal to 95.37% purity is obtained.

Application

Preparation of pharmaceutical compositions for the treatment of type 2 diabetes mellitus.

Stage of Development

The method was tested at laboratory scale. The obtained compound was tested in diabetic rats, as described in the Patent Application.

IP Status

Patent application No. MX/a/2013/009665

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Natural
Products

Market potential

In 2012, diabetes was among the leading causes of death in Mexico with a prevalence of 6.4 million people. In the US, 9.3% of the population (29.1 million people) had diabetes the same year.

Transferring conditions

- ✓ Technological development agreement (optional)
- ✓ Licensing (includes front payment and royalties)



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