Method for isolating a natural origin hypoglycemic

**Description**
This invention consists of an improved method for isolating sesquiterpene eudesmane 4α-cinnamoloxid-1β, 3α-ene-7,8-dihidroxiedesm (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.

**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)

**IP Status**
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