

## Jatrophone 4 Datasheet

5<sup>th</sup> Edition (Revised in January, 2017)

### [ Product Information ]

**Name:** Jatrophone 4

**Catalog No.:** CFN98054

**Cas No.:** 210108-88-6

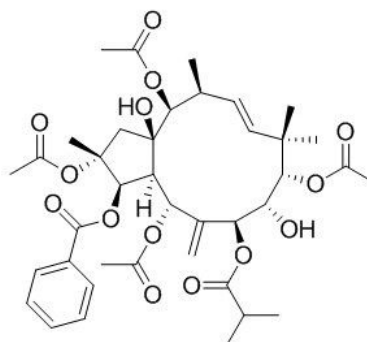
**Purity:** > 95%

**M.F:** C<sub>39</sub>H<sub>52</sub>O<sub>14</sub>

**M.W:** 744.8

**Physical Description:** Powder

**Synonyms:** 2,5,9,14-Tetraacetoxy-3-benzoyloxy-8,15-dihydroxy-7-isobutyroyloxyjatropha-6(17),11E-diene.



### [ Intended Use ]

1. Reference standards;
2. Pharmacological research;
3. Agricultural research;
4. Synthetic precursor compounds;
5. Intermediates & Fine Chemicals;
6. Others.

### [ Source ]

The branches of *Jatropha carcas* L.

## **[ Biological Activity or Inhibitors ]**

(2R\*,3R\*,4S\*,5R\*,7S\*,8S\*,9S\*,13S\*,14S\*,15R\*)-2,5,9,14-Tetraacetoxy-3-benzoyloxy-8,15-dihydroxy-7-isobutyroyloxyjatropa-6(17),11E-diene and (2R\*,3R\*,4S\*,5R\*,7S\*,8S\*,9S\*,13S\*,14S\*,15R\*)-2,5,14-triacetoxy-3-benzoyloxy-8,15-dihydroxy-7-isobutyroyloxy-9-nicotinoyloxyjatropa-6(17),11E-diene exhibit significant antifeedant activity against a generalist plant-feeding insect, the cotton bollworm (*Helicoverpa armigera*), with EC<sub>50</sub> values of 0.36 and 0.43 ug/cm<sup>2</sup>, respectively.<sup>[1]</sup>

## **[ Solvent ]**

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

## **[ HPLC Method ]**

Not data available.

## **[ Storage ]**

2-8°C, Protected from air and light, refrigerate or freeze.

## **[ References ]**

[1] Hua J, Liu Y, Xiao C J, *et al. Phytochemistry*,2017 Apr;136:56-64.

## **[ Contact ]**

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