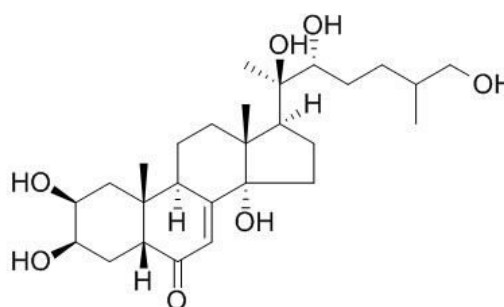


## Inokosterone Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)**[ Product Information ]****Name:** Inokosterone**Catalog No.:** CFN92515**Cas No.:** 15130-85-5**Purity:** >=98%**M.F:** C<sub>27</sub>H<sub>44</sub>O<sub>7</sub>**M.W:** 480.64**Physical Description:** Powder**Synonyms:** (22R)-2 $\beta$ ,3 $\beta$ ,14,20,22,26-Hexahydroxy-5 $\beta$ -cholest-7-en-6-one;

5-beta-Cholest-7-en-6-one, 2-beta,3-beta,14,20,22,26-hexahydroxy-, (22R,25rs)-;

Cholest-7-en-6-one, 2,3,14,20,22,26-hexahydroxy-, (2-beta,3-beta,5-beta,22R)- (9ci).

**[ Intended Use ]**

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

**[ Source ]**The roots of *Achyranthes bidentata* Blume.

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

Inokosterone and ecdysterone, isolated from *Achyranthis Radix*, have moulting hormone activity.<sup>[1]</sup>

## **[ Solvent ]**

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

## **[ HPLC Method ]<sup>[2]</sup>**

Mobile phase: 0.1% Formic acid in water- Acetonitrile=85:15 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 245 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Kobayashi M, Takemoto T, Ogawa S, *et al. J. Insect Physiol.*, 1967, 13(9):1395-9.

[2] Bing T Z, Su Y J, Dong C M, *et al. Arch. Pharm. Res.*, 2012, 35(8):1449-55.

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