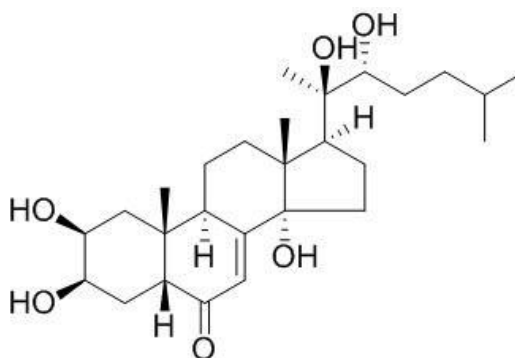


## Ponasterone A Datasheet

5<sup>th</sup> Edition (Revised in January, 2017)**[ Product Information ]****Name:** Ponasterone A**Catalog No.:** CFN99419**Cas No.:** 13408-56-5**Purity:** > 95%**M.F:** C<sub>27</sub>H<sub>44</sub>O<sub>6</sub>**M.W:** 464.6**Physical Description:** Powder

**Synonyms:** (2S,3R,5R,9R,10R,13R,14S,17S)-17-[(2R,3R)-2,3-dihydroxy-6-methylheptan-2-yl]-2,3,14-trihydroxy-10,13-dimethyl-2,3,4,5,9,11,12,15,16,17-decahydro-1H-cyclopenta[a]phenanthren-6-one.

**[ Intended Use ]**

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

**[ Source ]**

The barks of *Podocarpus macrophyllus*.

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

Ponasterone A is an insect-moulting hormone.<sup>[1]</sup>

## **[ Solvent ]**

Pyridine, Methanol, Ethanol, etc.

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

Mobile phase:Methanol -H<sub>2</sub>O=60:40;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 242 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Nakanishi K, Koreeda M, Sasaki S, *et al. Chem. Commun.*,1966, 915(24):915-7.

[2] Smagghe G, Eelen H, Verschelde E. *Insect Biochemistry & Molecular Biology*,1996, 26(7):687-95.

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