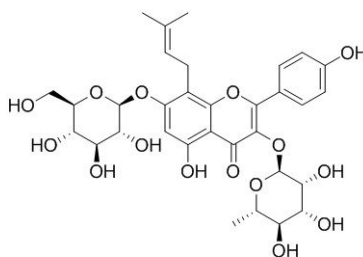


# Epimedoside A Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)

## [ Product Information ]

**Name:** Epimedoside A**Catalog No.:** CFN90762**Cas No.:** 39012-04-9**Purity:** >=98%**M.F:** C<sub>32</sub>H<sub>38</sub>O<sub>15</sub>**M.W:** 662.64**Physical Description:** Yellow powder**Synonyms:** 3-[(6-deoxy- $\alpha$ -L-mannopyranosyl)oxy]-5-hydroxy-2-(4-hydroxyphenyl)-8-(3-methylbut-2-en-1-yl)-4-oxo-4H-chromen-7-yl  $\beta$ -D-glucopyranoside.

## [ Intended Use ]

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

## [ Source ]

The herbs of *Epimedium brevicornum Maxim.*

## [ Biological Activity or Inhibitors ]

Epimodoside A shows significant antioxidant activity in vitro.<sup>[1]</sup>

Epimodoside A, Epimodoside B, Epimodoside C and Icariin are the mostly components of total flavones from *Epimedium* herb for antisenile dementia.<sup>[2]</sup>

## **[ Solvent ]**

Pyridine, DMSO, Methanol, Ethanol, etc.

## **[ HPLC Method ]<sup>[3]</sup>**

Mobile phase: Acetonitrile-H<sub>2</sub>O= 25:75 ;

Flow rate: 0.5 ml/min;

Column temperature: 70 °C;

The wave length of determination: 270 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Xie J, Sun W, Duan K, *et al. Nat. Prod. Res.*, 2007, 21(7):600-5.

[2] Song J, Wang C, Li Z, *et al. Modern Chinese Medicine*, 2009, 11(8):23-6.

[3] Naseer S, Lone S H, Lone J A, *et al. J. Chromatogr. B* , 2015, 989:62-70.

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