

# Kushenol K Datasheet

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

## [ Product Information ]

**Name:** Kushenol K

**Catalog No.:** CFN92534

**Cas No.:** 101236-49-1

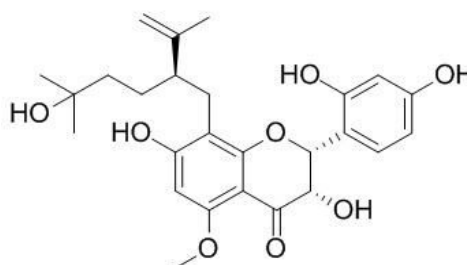
**Purity:** > 95%

**M.F:** C<sub>26</sub>H<sub>32</sub>O<sub>8</sub>

**M.W:** 472.5

**Physical Description:** Powder

**Synonyms:** (2R,3S)-2-(2,4-Dihydroxyphenyl)-2,3-dihydro-3,7-dihydroxy-8-[(2R)-5-hydroxy-5-methyl-2-(1-methylethenyl)hexyl]-5-methoxy-4H-1-benzopyran-4-one.



## [ Intended Use ]

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

## [ Source ]

The roots of *Sophora flavescens* Ait.

## [ Biological Activity or Inhibitors]

Kushenol K, sophoraflavanone, kurarinone, norkurarinol, and kurarinol are cytotoxic flavonoids isolated from *Sophora flavescens*.<sup>[1]</sup>

Kushenol K, kurarinol, and kushenol H show weak antiviral activity against Herpes simplex virus types I and II.<sup>[2]</sup>

## **[ Solvent ]**

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

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

Mobile phase: Methanol- 0.3% Aqueous acetic acid, gradient elution;

Flow rate: 0.8 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 295 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Choi S U, Kim K H, Choi E J, *et al. Anticancer Res.*, 1999 May-Jun; 19(3A):2035-40.

[2] Oztürk N, Korkmaz S, Oztürk Y, *et al. Planta Med.*, 2006, 72(4):289-94.

[3] Ma X C, Xin X L, Liu K X, *et al. Chromatographia*, 2008, 68(5):471-4.

## **[ Contact ]**

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