

Kushenol L Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Kushenol L

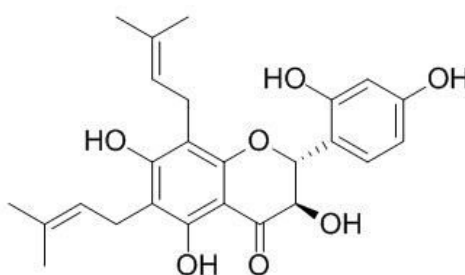
Catalog No.: CFN92344

Cas No.: 101236-50-4

Purity: > 95%

M.F: C₂₅H₂₈O₇

M.W: 440.5



Physical Description: Cryst.

Synonyms: (2R,3R)-2-(2,4-dihydroxyphenyl)-3,5,7-trihydroxy-6,8-bis(3-methylbut-2-en-1-yl)-2,3-dihydro-4H-chromen-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 L exhibits lethal activity against *Trypanosoma cruzi*, the minimum lethal concentration is 7.1 uM.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: 0.3% Acetic acid in water- Methanol, 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] Matsuo K, Ito M, Honda G, *et al. J.Nat. Med.*, 2003, 57:253-5.

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

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