

Kushenol A Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Kushenol A

Catalog No.: CFN92000

Cas No.: 99217-63-7

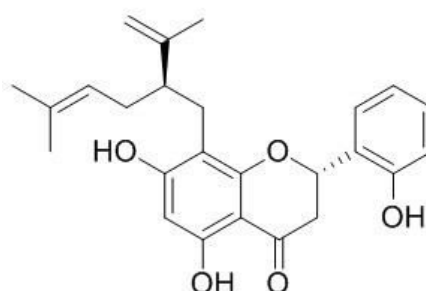
Purity: > 95%

M.F: C₂₅H₂₈O₅

M.W: 408.49

Physical Description: Cryst.

Synonyms: 4H-1-benzopyran-4-one, 2,3-dihydro-5,7-dihydroxy-2-(2-hydroxyphenyl)-8-[5-methyl-2-(1-methylethenyl)-4-hexen-1-yl]-, (2S)-.



[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 A and kushenol C exhibit inhibitory activity against Sodium-dependent glucose cotransporter 2(SGLT2).^[1]

Kushenol A shows selective alpha-glucosidase inhibitory activity.^[2]

Kushenol A is a kind of Adenosine 3', 5'-cyclic monophosphate (cAMP)phosphodiesterase inhibitors. ^[3]

[Solvent]

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

[HPLC Method]^[1]

Mobile phase: 0.1% Formic acid in water- Acetonitrile,gradient elution ;

Flow rate: 9.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Yang J, Wang C, Lin Q, *et al. Journal of Huazhong Normal University*, 2014, 48(4):520-4.

[2] Kim J H, Ryu Y B, Kang N S, *et al. Biol. Pharm. Bull.*, 2006, 29(2):302-5.

[3] Ohmoto T, Aikawa R, Nikaido T, *et al. Chem. Pharm. Bull.*, 1986, 34(5):2094-9.

[Contact]

Address:

S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Web: www.chemfaces.com

China

Tech Support: service@chemfaces.com