[ **Product Information** ]

**Name:** Kazinol B

**Catalog No.:** CFN97569

**Cas No.:** 99624-27-8

**Purity:** > 98%

**M.F:** C_{25}H_{28}O_{4}

**M.W:** 392.48

**Physical Description:** Powder

**Synonyms:** (2S)-2',2'-dimethyl-7'-(3-methylbut-2-en-1-yl)-3,4-dihydro-2H,2'H-2,6'-bichromene-7,8'-diol.

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[ **Intended Use** ]

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

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[ **Source** ]

The barks of *Broussonetia papyrifera*. 
[ Biological Activity or Inhibitors]

Kazinol B, an isoprenylated flavan, inhibits the NO synthesis with an IC50 of 21.6 uM, has inhibition of nitric oxide production on LPS-activated macrophages.[1]

Kazinol B improves insulin sensitivity via Akt and AMPK activation in 3T3-L1 adipocytes, it might be a therapeutic candidate for diabetes mellitus.[2]

Kazinol B has inhibition of SOCE, is probably attributable to a break in the Ca^{2+} driven force of mitochondria.[3]

[ Solvent ]

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

[ HPLC Method ]

Mobile phase: Methanol-H2O gradient elution;
Flow rate: 1.0 ml/min;
Column temperature: Room Temperature;
The wave length of determination: 254 nm.

[ Storage ]

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

[ References ]


[ Contact ]

Address: S5-3 Building, No. 111, Dongfeng Rd.,
Email: info@chemfaces.com
Tel: +86-27-84237783
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,
China

Fax: +86-27-84254680
Web: www.chemfaces.com
Tech Support: service@chemfaces.com