

Kazinol A Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Kazinol A

Catalog No.: CFN92431

Cas No.: 99624-28-9

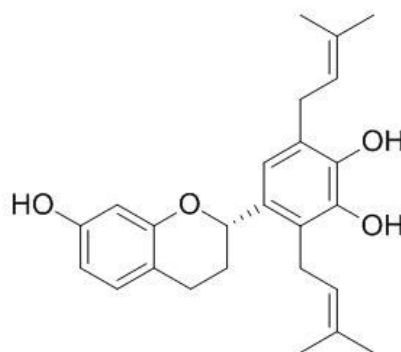
Purity: > 98%

M.F: C₂₅H₃₀O₄

M.W: 394.5

Physical Description: Powder

Synonyms: 4-[(2S)-7-hydroxy-3,4-dihydro-2H-chromen-2-yl]-3,6-bis(3-methylbut-2-en-1-yl)benzene-1,2-diol.



[Intended Use]

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

[Source]

The barks of *Broussonetia papyrifera*.

[Biological Activity or Inhibitors]

Kazinol A possesses potent antioxidant activities against 2,2-diphenyl-1-picrylhydrazyl and 2,2'-azino-bis-ethylbenzthiazoline-6-sulfonic acid (ABTS) radicals with IC₅₀ values ranging from 5.8 to 252.8M; also exhibits potent inhibition with IC₅₀ values ranging 0.6–164 M against xanthine oxidase (XOD).^[1]

Kazinol A shows strong inhibition of arachidonic acid (AA)-induced platelet aggregation. ^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: 2% Acetic acid in H₂O - 0.5% Acetic acid in 50% acetonitrile, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 250 nm.

[Storage]

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

[References]

[1] Ryu H W, Ji H L, Kang J E, *et al. J.Korean. Soc. Appl. Bi.*, 2012, 55(5):587-94.

[2] Lin C N, Lu C M, Lin H C, *et al. J.Nat. Prod.*, 1996, 59(9):834-8.

[3] Park S A, Ha J H, Park S N. *Appl. Chem. Eng.*, 2013,24(2):177-83.

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