

Kushenol I Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Kushenol I

Catalog No.: CFN92001

Cas No.: 99119-69-4

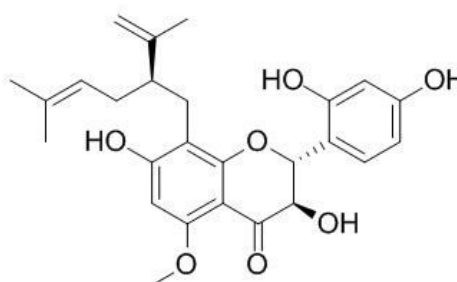
Purity: > 95%

M.F: C₂₆H₃₀O₇

M.W: 454.5

Physical Description: Powder

Synonyms: NSC 668937.



[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 I, sophoraflavanone G, (-)-kurarinone, and kuraridine as GABAA receptor

modulators.^[1]

Kushenol I exhibits inhibitory activity against Sodium-dependent glucose cotransporter 2(SGLT2).^[2]

Kurarinone and kushenol I are shown to be active against the plant pathogenic fungus *Cladosporium cucumerinum*.^[3]

[Solvent]

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

[HPLC Method]^[4]

Mobile phase: Acetonitrile-H₂O, gradient elution ;

Flow rate: 1.0 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] Yang X, Baburin I, Plitzko I, *et al. Mol. Divers.*, 2011, 15(2):361-72.

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

[3] Tan R X, Wolfender J L, Zhang L X, *et al. Phytochemistry*, 1996, 42(5):1305-13.

[4] Ma H Y, Zhou W S, Chu F J, *et al. China Journal of Chinese Materia Medica*, 2013, 38(16):2690-5.

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