

Sanggenone D Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Sanggenone D

Catalog No.: CFN99704

Cas No.: 81422-93-7

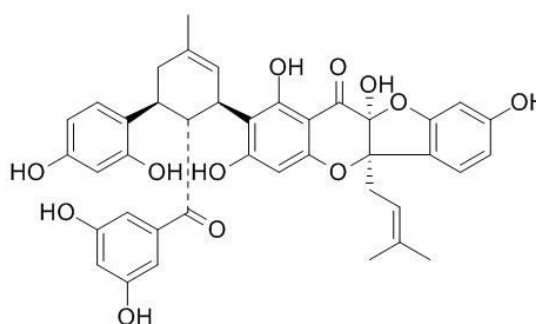
Purity: >=98%

M.F: C₄₀H₃₆O₁₂

M.W: 708.71

Physical Description: Powder

Synonyms:



[Intended Use]

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

[Source]

The root bark of *Morus alba* L.

[Biological Activity or Inhibitors]

Sanggenons D, B, O,G show an antifungal activity with IC₅₀ values between 10 and 123

microM.^[1]

Sanggenons(sanggenon C, D) represent a new scaffold of positive GABAA receptor modulators.^[2]

Sanggenon D, C and kazinol B inhibit COX-2 activity (ic 50 = 73-100 μ M).^[3]

Sanggenon D has anti-inflammatory activity, it can inhibit NO production from lipopolysaccharide (LPS)-induced RAW 264.7 cells at > 10 μ M; inhibition of nitric oxide production was mediated by suppression of iNOS enzyme induction but not by direct inhibition of iNOS enzyme activity.^[4]

[Solvent]

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

[HPLC Method]^[5]

Mobile phase: Methanol- H₂O= 75:25 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 280 nm.

[Storage]

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

[References]

[1] Rollinger J M, Spitaler R, Menz M, *et al. J. Agr. Food Chem.* 2006, 54(22):8432-6.

[2] Kim H J, Baburin I, Zaugg J, *et al. Planta Med.*, 2012, 78(5):440-7.

[3] Chi Y S, Jong H G, Son K H, *et al. Biochem.Pharmacol.*, 2001, 62(9):1185-91.

[4] Cheon B, Kim Y K, Chang H, *et al. Planta Med.*, 2000, 66(7):596-600.

[5] Li H Y, Sun J Y, Wu S X. *Chinese Traditional Patent Medicine*, 2002, 24(2):104-6.

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