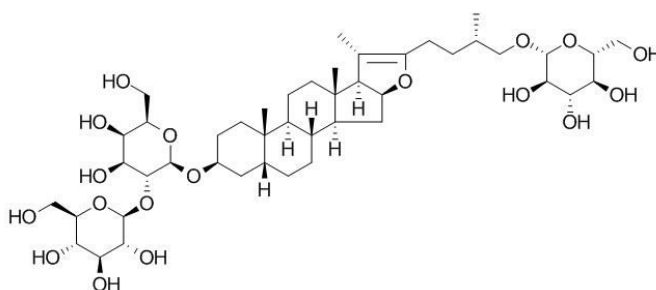


Anemarsaponin B Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Anemarsaponin B**Catalog No.:** CFN99532**Cas No.:** 139051-27-7**Purity:** 98%**M.F:** C₄₅H₇₄O₁₈**M.W:** 903.04**Physical Description:** White cryst.**Synonyms:** TimosaponinB-II; (3β,5β)-26-(β-D-Glucopyranosyloxy)furost-20(22)-en-3-yl 2.

[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Food and cosmetic research;
4. Synthetic precursor compounds;
5. Others.

[Source]

The rhizome of *Anemarrhena asphodeloides* Bunge.

[Biological Activity or Inhibitors]

Anemarsaponin B has anti-inflammatory effect in LPS-treated RAW 264.7 macrophages, the effect is associated with the inhibition of NF- κ B transcriptional activity, possibly via the p38 MAP kinase pathway.^[1]

Anemarsaponin B can inhibit PAF-induced rabbit platelet aggregation in vitro.^[2]

[Solvent]

Pyridine; Methanol; DMSO.

[HPLC Method]^[3]

HPLC-ELSD:

Mobile phase: Methanol -H₂O=53:47 ;

Flow rate: 0.8 ml/min;

Column temperature: Room Temperature;

Drift tube temperature: 100 °C

Flow rate of gas : 2.6L/min.

[Storage]

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

[References]

[1] Kim J Y, Shin J S, Ryu J H, *et al.* *Food Chem. Toxicol.* , 2009, 47(7):1610-7.

[2] Dong J, Han G Y. *Planta Med.*, 1991, 57(5): 460-2.

[3] Yu J D, Ma L Y, Ma S C, *et al.* *Journal of Pharmaceutical Analysis*, 2005 (12): 1436-7.

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