



Asperosaponin VI Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Asperosaponin VI

Catalog No.: CFN99766

Cas No.: 39524-08-8

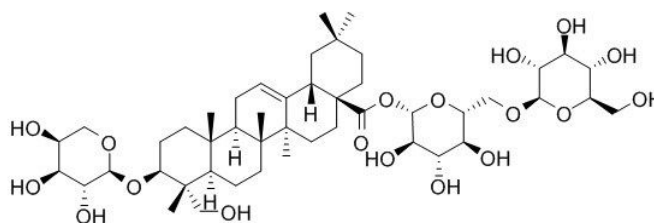
Purity: > 98%

M.F: C₄₇H₇₆O₁₈

M.W: 929.10

Physical Description: White cryst.

Synonyms: 3-O- α -L-Arabin-opyranosyl-28- β -D-glucopyranosyl(1 \rightarrow 6)- β -D-glucopyranoside; Akebia saponin D; Hederagenin.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Food and cosmetic research;
4. Synthetic precursor compounds;
5. Intermediates & Fine Chemicals;
6. Ingredient in supplements, beverages;
7. Aromatics;
8. Others.

[Source]

The root of *Dipsacus asperoides* C. Y. Cheng et T. M. Ai.

[Biological Activity or Inhibitors]

Asperosaponin VI (ASA VI) is a kind of saponin in the medicinal herb *Dipsacus asper* Wall which has long been used as an antiosteoporosis drug, exhibits a significant induction of proliferation, differentiation and mineralization in MC3T3-E1 and primary osteoblastic cells, it may induce osteoblast maturation and differentiation, and then increase bone formation via increasing BMP-2 synthesis, and activating p38 and ERK1/2.^[1]

Asperosaponin VI, a triterpene saponin isolated from *Dipsacus asper* Wall, plays protective roles on acute myocardial infarction in rats.^[2]

Asperosaponin VI has protective effect against hypoxia-induced cardiomyocytes apoptosis probably by activating the PI3K/Akt and CREB pathways.^[3]

[Solvent]

Pyridine, DMSO, Ethanol, Methanol.

[HPLC Method]^[4]

Mobile phase: Acetonitrile-H₂O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 35 °C;

The wave length of determination: 212 nm.

[Storage]

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

[References]

[1] Niu Y B , Li YH, Huang H, *et al. Phytother. Res.*, 2011, 25(11):1700-6.

[2] Li C, Liu Z J, Li G, *et al. Eur. J. Pharmacol.*, 2010, 217(Pt 23):4123-31.

[3] Li C, Tian J, Li G, *et al. Eur. J. Pharmacol.*, 2010, 649(1-3):100-7.

[4] Shan X, Wang J, Wu A. *China Pharmacist*, 2013, 16(03):388-90.

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