

Soyasaponin Aa Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Soyasaponin Aa

Catalog No.: CFN90455

Cas No.: 117230-33-8

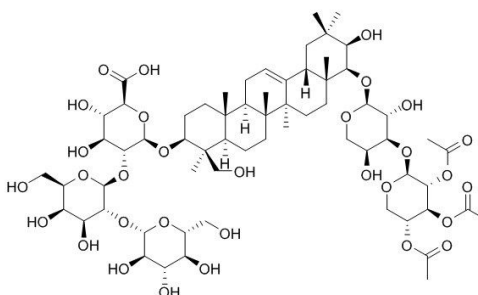
Purity: >=98%

M.F: C₆₄H₁₀₀O₃₁

M.W: 1365.46

Physical Description: Powder

Synonyms: Acetylsoyasaponin A4.



[Intended Use]

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

[Source]

The seeds of *Glycine max*.

[Biological Activity or Inhibitors]

Soyasaponin Aa and Ab can markedly inhibit adipocyte differentiation and expression of various adipogenic marker genes through the downregulation of the adipogenesis-related transcription factors PPAR γ and C/EBP α in 3T3-L1 adipocytes.^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

Mobile phase: Acetonitrile- H₂O=40:60(containing 0.1% trifluoroacetic acid 0.1% Trifluoroacetic acid) ;

Flow rate: 1.0 ml/min;

Column temperature:40°C;

The wave length of determination: 205 nm.

[Storage]

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

[References]

[1] Seung Hwan Yang, Eun-Kyung Ahn , Lee J A, *et al. Phytother. Res.*, 2014, 29(2):281-7.

[2] Quan J S, Yin X Z, Shigemitsu K. Food Science & Technology, 2007, 32(4):172-4.

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