

Soyasaponin Ba Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Soyasaponin Ba

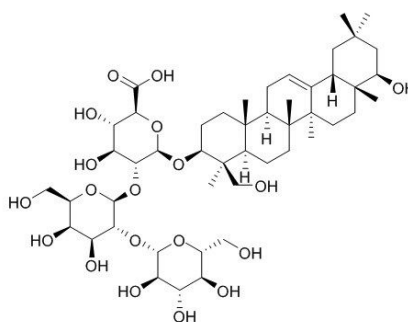
Catalog No.: CFN90722

Cas No.: 114590-20-4

Purity: >95%

M.F: C₄₈H₇₈O₁₉

M.W: 959.1



Physical Description: Powder

Synonyms: (4S)-3β-[2-O-[2-O-(β-D-Glucopyranosyl)-β-D-galactopyranosyl]-β-D-glucuronopyranosyloxy]oleana-12-ene-22β,24-diol; [22β,24-Dihydroxyolean-12-en-3β-yl]2-O-[2-O-(β-D-glucopyranosyl)-β-D-galactopyranosyl]-β-D-glucopyranosiduronic acid; Soyasaponin V; Soybean saponin Ba; (3beta,4beta,22beta)-22,23-Dihydroxyolean-12-en-3-yl-O-beta-D-glucopyranosyl-(1-2)-O-beta-D-galactopyranosyl-(1-2)-beta-D-glucopyranosiduronic acid.

[Intended Use]

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

[Source]

The seeds of *Glycine max*.

[Biological Activity or Inhibitors]

Soyasaponins Ab and Bb prevent scopolamine-induced memory impairment in mice without the inhibition of acetylcholinesterase.^[1]

Soyasaponins(Aa, Ab, Af, Ba, Bb, and Bb') together with their derivatives may represent viable candidates for effective vaccine adjuvants due to their higher and lower or non-haemolytic effects.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: Acetonitrile- H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 210 nm.

[Storage]

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

[References]

[1] Hong S W, Yoo D H, Woo J Y, *et al. J.Agr.Food Chem.*, 2014, 62(9):2062-8.

[2] Qiao N, Liu Q, Meng H, *et al. Int. Immunopharmacol.*, 2014, 18(2):333-9.

[3] Katano H, Okamoto N, Takakuwa M, *et al. Anal. Sci.*, 2014, 31(2):85-9.

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