**Product Information**

**Name:** Buddlejasaponin IV  
**Catalog No.:** CFN98519  
**Cas No.:** 139523-30-1  
**Purity:** >=98%  
**M.F:** C_{48}H_{78}O_{18}  
**M.W:** 943.12  
**Physical Description:** White powder  
**Synonyms:** (3beta,13alpha,16beta,17alpha)-16,23-dihydroxy-13,28-epoxyolean-11-en-3-yl-beta-D-glucopyranosyl-(1->2)-[beta-D-glucopyranosyl-(1->3)]-6-deoxy-beta-D-galactopyranoside.

**Intended Use**

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

**Source**

The herbs of *Buddleja lindleyana Fort.*
**[Biological Activity or Inhibitors]**

Buddlejasaponin IV has analgesic and anti-inflammatory effects, the inhibitions of the expressions of iNOS, COX-2, TNF-alpha, IL-1beta and IL-6 by blocking NF-kappaB activation, are responsible for the anti-inflammatory effects of buddlejasaponin IV.\[^{[1]}\]

Buddlejasaponin IV can inhibit intrinsic and extrinsic hyperlipidemia and hypercholesterolemia in the rat.\[^{[2]}\]

Buddlejasaponin IV exerts antiinflammatory and cytotoxic effects against cancer cells, it can induce cell cycle arrest at G2/M phase and apoptosis in immortalized human oral keratinocytes.\[^{[3]}\]

Buddlejasaponin IV may possess antimetastatic potential by inducing anoikis and upregulating NAG-1 expression.\[^{[4]}\]

**[Solvent]**

Pyridine, Methanol, Ethanol, etc.

**[HPLC Method]**\[^{[5]}\]

HPLC-ELSD:

Mobile phase: Acetonitrile-H2O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

Drift tube temperature: 110 °C;

Flow rate of gas: 3.0 L/min.

**[Storage]**

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

**[References]**


[**Contact**]

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