



Product Information

Product ID V1869

CAS No. 61276-17-3

Chemical Name

Synonym Acteoside

Formula $C_{29}H_{36}O_{15}$

Formula Wt. 624.59

Melting Point

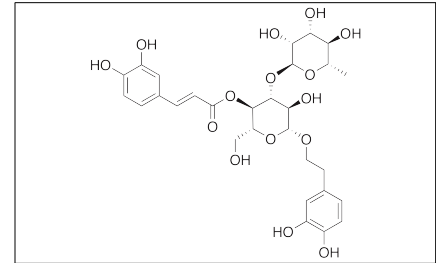
Purity $\geq 98\%$

Solubility

Store Temp Ambient

Ship Temp Ambient

Description Verbascoside is a phenylpropanoid found in a variety of species of *Castilleja*, *Verbena*, and *Verbascum*. Verbascoside displays anti-inflammatory, analgesic, antioxidative, and antithrombotic properties in a variety of cellular and animal models. In vitro, verbascoside inhibits arachidonic acid- and ADP-induced platelet aggregation as well as dipeptidyl peptidase 4 (DPP4) and prolyl oligopeptidase activity. In vivo, verbascoside decreases levels of Bax, Bcl-2, NF- κ B, iNOS, and myeloperoxidase, showing anti-inflammatory benefit in a model of periodontitis. Additionally, this compound inhibits mechanical pain in two different animal models of hyperalgesia. Verbascoside may also be an inhibitor of PKC.



Bulk quantities available upon request

Product ID	Size
V1869	1 mg
V1869	5 mg
V1869	10 mg
V1869	25 mg

References Campo G, Marchesini J, Bristot L, et al. The in vitro effects of verbascoside on human platelet aggregation. *J Thromb Thrombolysis*. 2012 Oct;34(3):318-25. PMID: 22723176.

Filho AG, Morel AF, Adolpho L, et al. Inhibitory effect of verbascoside isolated from *Buddleja brasiliensis* Jacq. ex Spreng on prolyl oligopeptidase activity. *Phytother Res*. 2012 Oct;26(10):1472-5. PMID: 22275311.

Paola RD, Oteri G, Mazzon E, et al. Effects of verbascoside, biotechnologically purified by *Syringa vulgaris* plant cell cultures, in a rodent model of periodontitis. *J Pharm Pharmacol*. 2011 May;63(5):707-17. PMID: 21492173.

Isacchi B, Iacopi R, Bergonzi MC, et al. Antihyperalgesic activity of verbascoside in two models of neuropathic pain. *J Pharm Pharmacol*. 2011 Apr;63(4):594-601. PMID: 21401613.

Kahraman C, Tatli II, Orhan IE, et al. Cholinesterase inhibitory and antioxidant properties of *Verbascum mucronatum* Lam. and its secondary metabolites. *Z Naturforsch C*. 2010 Nov-Dec;65(11-12):667-74. PMID: 21319708.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.