
Product Data Sheet

Product Name: Acanthoside B

Cat. No.: GC63975

Chemical Properties

Cas. No. 7374-79-0

Formula C₂₈H₃₆O₁₃

M.Wt 580.58

Solubility DMSO : 100 mg/mL (172.24 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Acanthoside B is a potential bioactive lignan with anti-inflammatory and anti-amnesic activities. Acanthoside B can be used for alzheimer's disease and lung inflammation research[1]

Acanthoside B (oral gavage; 10-20 mg/kg; 7 days prior to Scopolamine injection) attenuates Scopolamine inflicted AD-like amnesic traits by restoring the cholinergic activity, decreasing the endogenous antioxidant status, suppressing neuroinflammation, and activating the TrkB/CREB/BDNF pathway in mice[1].

[1]. Govindarajan Karthivashan, et al. Cognitive-enhancing and ameliorative effects of acanthoside B in a scopolamine-induced amnesic mouse model through regulation of oxidative/inflammatory/cholinergic systems and activation of the TrkB/CREB/BDNF pathway. Food Chem Toxicol. 2019 Jul;129:444-457.

[2]. Ju Hee Lee, et al. Inhibition of Lung Inflammation by Acanthopanax divaricatus var. Albeofructus and Its Constituents. Biomol Ther (Seoul). 2016 Jan;24(1):67-74.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA