

Product Data Sheet

Product Name: Cleistanthin B

Cat. No.: GC64264

Chemical Properties

Cas. No. 30021-77-3

Formula C₂₇H₂₆O₁₂

M.Wt 542.49

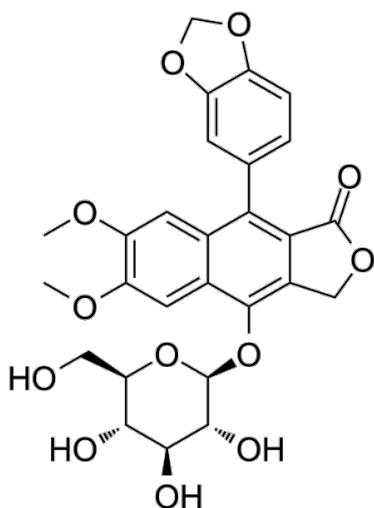
Solubility

Storage 4°C, protect from light

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

Cleistanthin B (Diphyllin O-glucoside) is an orally active aryl-naphthalene lignan lactone glycoside. Cleistanthin B exhibits anti-SARS-CoV-2 effects in Vero cells, with EC₅₀ of 6.51 μM. Cleistanthin B also exhibits antitumor, diuretic and antihypertensive effects in vivo[1][2][3][4].

Cleistanthin B exhibits anti-SARS-CoV-2 effects in Vero cells, with EC₅₀ of 6.51 μM[1]. Cleistanthin B shows no cytotoxicity to Vero cells in concentrations up to 100 μM[1].

Cleistanthin B (25-100 mg/kg; p.o. for 10 days) has antitumor activity against EAC and DAL tumor mice but it is not effective against solid tumor[2].

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

Product Data Sheet

- [1]. Stefanik M, et, al. Antiviral Activity of Vacuolar ATPase Blocker Diphyllin against SARS-CoV-2. Microorganisms. 2021 Feb 25;9(3):471.
- [2]. Thummar VR, et, al. Evaluation of in vivo antitumor activity of cleistanthin B in Swiss albino mice. J Tradit Complement Med. 2015 Sep 3;6(4):383-388.
- [3]. Parasuraman S, et, al. Diuretic effects of cleistanthin a and cleistanthin B from the leaves of cleistanthus collinus in wistar rats. J Young Pharm. 2012 Apr;4(2):73-7.
- [4]. Priyadharsini RP, et, al. Evaluation of the antihypertensive activity and alpha adrenergic receptor interaction of cleistanthins A and B. J Basic Clin Pharm. 2014 Sep;5(4):109-14.

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