
Product Data Sheet

Product Name: Physalin B

Cat. No.: GC61183

Chemical Properties

Cas. No. 23133-56-4

SMILES C[C@@]([C@H](OC1=O)C2)(OC3=O)[C@](O[C@@]45C6=O)([C@@]3(CC[C@@]7([H])[C@@]4([H])CC=C(CC=C8)[C@@]7(C8=O)C)O)[C@]6([H])[C@]2([C@@]1([H])CO5)C

Formula C₂₈H₃₀O₉ M.Wt 510.53

Solubility 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**

Physalin B, one of the major active steroidal constituents of Cape gooseberry, induces cell cycle arrest and triggers apoptosis in breast cancer cells through modulating p53-dependent apoptotic pathway. Physalin B inhibits the ubiquitin-proteasome pathway and induces incomplete autophagic response in human colon cancer cells in vitro[1][2].

[1]. Wang A, et al. Physalin B induces cell cycle arrest and triggers apoptosis in breast cancer cells through modulating p53-dependent apoptotic pathway. *Biomed Pharmacother.* 2018;101:334-341. [2]. Ma YM, et al. Physalin B not only inhibits the ubiquitin-proteasome pathway but also induces incomplete autophagic response in human colon cancer cells in vitro. *Acta Pharmacol Sin.* 2015;36(4):517-527.

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
