

Product Data Sheet

Product Name: Timosaponin B III

Cat. No.: GC37796

Chemical Properties

Cas. No. 142759-74-8

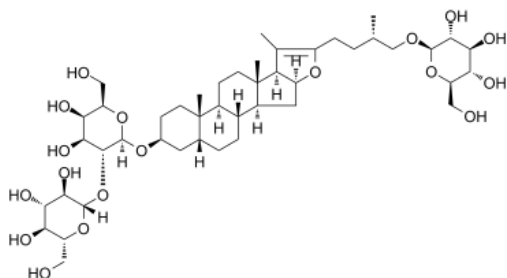
Formula $C_{45}H_{74}O_{18}$ M.Wt 903.06

Solubility DMSO : 100 mg/mL (110.73 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

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

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Timosaponin B III is a major bioactive steroidal saponin isolated from *Anemarrhena asphodeloides* Bge, and exhibits anti-inflammatory, anti-platelet aggregative and anti-depressive effects[1][2][3].

[1]. Zhang XL, et al. Timosaponin B-III exhibits antidepressive activity in a mouse model of postpartum depression by the regulation of inflammatory cytokines, BDNF signaling and synaptic plasticity. *Exp Ther Med*. 2017 Oct;14(4):3856-3861. [2]. Zhao YF, et al. New transformation pathway and cytotoxic derivatives from the acid hydrolysis of timosaponin B III. *Nat Prod Res*. 2018 Nov 20:1-7. [3]. Kang LP, et al. Steroidal glycosides from the rhizomes of *Anemarrhena asphodeloides* and their antiplatelet aggregation activity. *Planta Med*. 2012 Apr;78(6):611-6.

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