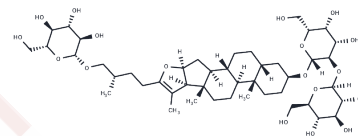


Timosaponin B III

Chemical Properties

CAS No. :	142759-74-8
Formula:	C45H74O18
Molecular Weight:	903.06
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Timosaponin B III (Anemarsaponin BIII) is a bioactive steroidal saponin isolated from <i>Anemarrhena asphodeloides</i> Bge. Timosaponin B III possesses anti-inflammatory, anti-platelet aggregative and anti-depressive effects.
Targets(IC50)	Platelet aggregation

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1073 mL	5.5367 mL	11.0735 mL
5 mM	0.2215 mL	1.1073 mL	2.2147 mL
10 mM	0.1107 mL	0.5537 mL	1.1073 mL
50 mM	0.0221 mL	0.1107 mL	0.2215 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- 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.
- 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.
- 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.

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