
Product Data Sheet

Product Name: β -Sitostenone

Cat. No.: GC70185

Chemical Properties

Cas. No. 1058-61-3

Formula $C_{29}H_{48}O$ M.Wt 412.69

Solubility Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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

β -Sitostenone is a sterol that can be isolated from *Cochlospermum vitifolium*. β -Sitostenone inhibits **tyrosinase** activity, and has anti-melanogenic and anti-tumor activities^{[1][2][3]}.

[1]. Aguilar-Guadarrama AB, et al. Flavonoids, Sterols and Lignans from *Cochlospermum vitifolium* and Their Relationship with Its Liver Activity. *Molecules*. 2018 Aug 5;23(8):1952.

[2]. Chu CW, et al. Biofunctional Constituents from *Michelia compressa* var. *lanyuensis* with Anti-Melanogenic Properties. *Molecules*. 2015 Jul 3;20(7):12166-74.

[3]. Fan SQ, et al. Sarocladione, a unique 5,10:8,9-diseco-steroid from the deep-sea-derived fungus *Sarocladium kiliense*. *Org Biomol Chem*. 2019 Jun 18;17(24):5925-5928.

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

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