# Product Data Sheet

Product Name: Stigmasterol glucoside
Cat. No.: GC37691

## Chemical Properties

| | | | |
|---|---|---|---|
| Cas. No. | 19716-26-8 | | |
| SMILES | OC[C@H]([C@@H](O)[C@H](O)[C@H]1O)O[C@@]1([H])O[C@H](C2)CC[C@@]3(C)C2=CC[C@]4([H])[C@]3([H])CC[C@@]5(C)[C@]4(CC[C@]5([H])[C@H](C)/C=C/[C@@H](CC)C(C)C)[H] | | |
| Formula | $C_{35}H_{58}O_6$ | M.Wt | 574.83 |
| Solubility | Soluble in DMSO | Storage | Store at -20°C |
| General tips | For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ 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 | Stigmasterol glucoside | | |

## Background

Stigmasterol glucoside is a sterol isolated from P. urinaria with high antioxidant and anti-inflammatory activities[1], act as an inhibitor of 5α-reductase with an IC50 of 27.2 μM[2]. IC50:27.2 μM (5α-reductase)[2]

[1]. Musarat Amina, et al. Sequential injection-chemiluminescence evaluation of stigmasterol glucoside and luteolin via green synthesis of silver nanoparticles using biomass of plectranthus asirensis. 2018, Nov 09, 11(4): 523-533. [2]. Kamei H, et al. Screening of Euphorbiaceae Plant Extracts for Anti-5α-reductase. Biol Pharm Bull. 2018;41(8):1307-1310.


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