
Product Data Sheet

Product Name: Saikosaponin B3

Cat. No.: GC37582

Chemical Properties

Cas. No. 58316-42-0

SMILES C[C@]12[C@@]([C@@H](C=C3[C@]2(C[C@H](O)[C@]4(CO)[C@@]3([H])CC(C)(C)CC4)C)OC)([H])[C@@]5([C@@]([C@@](C)([C@@H](O[C@@]6([H])[C@@H]([C@H]([C@@H](O)[C@@H](C)O6)O[C@]7([H])O[C@@H]([C@@H](O)[C@H](O)[C@H]7O)CO)O)CC5)CO)([H])CC1)C

Formula C₄₃H₇₂O₁₄ M.Wt 813.02

Solubility Soluble in DMSO 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**

Saikosaponin B3 is a saikosaponin isolated from the roots of *Bupleurum falcatum* L., with analgesic effect. Saikosaponin B3 inhibits ACTH-induced lipolysis in the fat cells[1][2][3].

[1]. Jang MJ, et al. Saikosaponin D isolated from *Bupleurum falcatum* inhibits selectin-mediated cell adhesion. *Molecules*. 2014 Dec 4;19(12):20340-9. [2]. Kita T, et al. Analgesic and other pharmacologic actions of saiko-saponin in repeated cold stressed (SART stressed) animals. *J Pharmacobiodyn*. 1980 Jun;3(6):269-80. [3]. Kimura Y, et al. Effects of saikosaponins on the metabolic actions of adrenaline, ACTH and insulin on the fat cells. *Chem Pharm Bull (Tokyo)*. 1980 Jun;28(6):1788-94.

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
