

---

## Product Data Sheet

---

Product Name: Taccalonolide B

Cat. No.: GC37717

**Chemical Properties**

Cas. No. 108885-69-4

SMILES C[C@]1([C@]2([H])C[C@H](O3)[C@H]3[C@@H]1OC(C)=O)[C@]4([H])[C@]([C@@H](O)C2=O)([H])[C@@]5([H])[C@@](C)([C@]6([H])[C@@]([C@](C(OC7=O)=C[C@H]6C)([C@@]7(O)C)C)([H])[C@@H]5O)[C@@H](OC(C)=O)[C@H]4OC(C)=O

Formula C<sub>34</sub>H<sub>44</sub>O<sub>13</sub>

M.Wt

660.71

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**

Taccalonolide B is microtubule stabilizer isolated from *Tacca plantaginea*, with antitumor activity. Taccalonolide B is effective in vitro against cell lines that overexpress P-glycoprotein (Pgp) and multidrug-resistance protein (MRP7). Taccalonolide B inhibits growth of SK-OV-3 cells with an IC<sub>50</sub> of 208 nM[1][2]. microtubule[2]

[1]. LiangChen Zhong, et al. Steroidal bitter principles from *tacca plantaginea* structures of taccalonolide A and B. *Tetrahedron Letters*. 1987, 28(15): 1673-1675. [2]. Risinger AL, et al. The taccalonolides: microtubule stabilizers that circumvent clinically relevant taxane resistance mechanisms. *Cancer Res*. 2008 Nov 1;68(21):8881-8.

**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

---